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# USSR Report

TRANSPORTATION

No. 127

CURRICULA, ADMISSIONS REQUIREMENTS

FOR TRANSPORTATION

EDUCATIONAL INSTITUTIONS

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USSR REPORT  
TRANSPORTATION

No. 127

CURRICULA, ADMISSIONS REQUIREMENTS FOR  
TRANSPORTATION EDUCATIONAL INSTITUTIONS  
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## CIVIL AVIATION

### CIVIL AVIATION MINISTRY VUZES, FLIGHT AND TECHNICAL SCHOOLS

Moscow VOZDUSHNYY TRANSPORT in Russian 24 May 83 p 4

[Excerpts] VUZes

Civil Aviation Academy, Order of Lenin, trains air traffic control engineers. The training period is 4 years, 2 months. The address is: 196210, Leningrad, M-210, Aviagorodok [Aviation Village].

Aktyubinsk Civil Aviation Flight School trains flight engineers. The training period is 4 years, 2 months. The school has a preparatory department. The address is: 463024, Aktyubinsk, Prospekt Molodatulovoy.

Kirovograd Higher Civil Aviation Flight School trains flight engineers and navigation engineers. The training period is 4 years, 2 months. The address is: 316005, Kirovograd, Ulitsa Dobrovol'skogo.

Kiev Civil Aviation Engineering School imeni 60th Anniversary of the USSR, Order of the Red Banner of Labor, trains mechanical engineers in the operation of aircraft and aircraft engines; electrical engineers in the technical operation of aviation equipment and airport electrical equipment; radio engineers in the technical operation of aviation radio electronic equipment and airport radar and radio navigation systems; mechanical engineers in the testing and use of fuel materials (training period is 5 years, 6 months); systems engineers in electronic computers and automated control systems; construction engineers in airport construction; mechanical engineers in the technical operation of airport automation and mechanization systems; engineering economists in the economics and organization of air transport (training period is 5 years).

The institute offers training without leave from work for mechanical engineers (except for fuel specialists), electrical engineers, radio engineers, engineering economists, and construction engineers.

The institute has a preparatory department for study with or without leave from work.

The address is: 252058, Kiev-58, Prospekt Kosmonavta Komarova 1.

Moscow Civil Aviation Engineering Institute trains mechanical engineers in the operation of aircraft and aircraft engines; electrical engineers in the technical operation of aviation equipment; radio engineers in the technical operation of aviation radio electronic equipment (training period is 5 years, 6 months); systems engineers in electronic computers and automated control systems; engineering economists in the economics and organization of air transport (training period is 5 years).

The institute offers training without leave from work for mechanical engineers, electrical engineers, radio engineers, and engineering economists.

The institute has a preparatory department for study with and without leave from work.

The address is: 125195, Moscow, Ulitsa Pulkovskaya 6a.

Riga Civil Aviation Engineering Institute imeni Leninist Komsomol, Order of the Red Banner, trains mechanical engineers in the operation of aircraft and aircraft engines; electrical engineers in the technical operation of aviation equipment; radio engineers in the technical operation of aviation radio electronic equipment, radar and radio navigation systems and airport communications systems (training period is 5 years, 6 months); systems engineers in electronic computers and automated control systems; engineering economists in the economics and organization of air transport; engineering economists in labor and wages organization and norm setting (training period is 5 years); and economists in accounting (training period is 4 years).

The institute offers training in accounting without leave from work.

The institute has a preparatory department for study with and without leave from work.

The address is: 226019, Riga, Ulitsa Lomonosova 1.

#### Conditions for Admission

Civil Aviation VUZes accept male applicants for daytime study (for the specializations: economics and organization of air transport; labor and wages organization and norm setting; accounting; testing and use of fuel materials; automated control systems; electronic computers; and airport construction, both male and female applicants are accepted); applicants must have secondary education; they must be physically fit for flying duty (for the flight engineer, navigation engineer, and air traffic control engineer specializations) or for engineering work (for all the remaining areas of specialization) in civil aviation. The age requirements are:

Flight engineer--up to 22 years old;

Navigation engineer--up to 23 years old;

Air traffic control engineer--up to 25 years old;

All other areas of specialization--up to 35 years old.

The age requirement is based on the applicant's age as of 1 September of the enrollment year.



The correspondence and evening departments accept individuals of both sexes who have secondary education and are working in the chosen area of specialization; there is no age restriction in these departments.

Individuals applying for entrance to civil aviation VUZes should send the following documents to the institution's admissions committee:

- a) application
- b) original secondary education certificate;
- c) a reference from one's place of employment, for those with work experience;
- d) those with practical work experience of at least 2 years should send excerpts from their labor books; length of service is counted as of 1 September of the enrollment year;
- e) 6 photographs (taken without headwear, 3x4 cm);
- f) medical certificate (form No 286)
- g) autobiographical statement;
- h) those applying for admission to the academy or a higher flight school should present a certificate from a psychoneurological clinic and an x-ray of the nasal sinuses, with the x-ray technician's conclusions.

The applicant should present his passport and military service documents to the admissions committee in person.

The academy and higher flight schools accept applications between 20 June and 25 July; institutes accept documents between 20 June and 31 July.

Regional admissions committees accept applications only from individuals residing in the corresponding region or in nearby areas.

Entrance examinations for all areas of specialization, except accounting, are given in mathematics (written and oral); physics (written or oral); Russian language and literature (written); for accounting, they are given in Russian language and literature (written); mathematics (written or oral); the history of the CPSU (oral); and geography (oral). Candidates for training as flight engineers are tested for physical fitness under the set of tests included in the GTO program [Ready for Labor and the Defense of the USSR].

At the Moscow Civil Aviation Engineering Institute all entrance examinations are given in written form.

The examinations are held between 1 and 20 August.

Students at civil aviation institutes receive stipends according to the established system, and a 75 percent discount on the cost of their uniforms.

Students at the academy and the Aktyubinsk and Kirovograd Higher Flight Schools receive complete state support: they are provided with dormitory housing, meals, and uniforms free of charge; they receive a stipend of 12 rubles per month.

In addition to the admissions committees operating at the schools themselves, (they accept applications for study in the various areas of specialization regardless of the applicant's place of residence), there are also regional committees that receive documents only from individuals residing in their particular region or in nearby areas.

#### Secondary Specialized Educational Institutions

##### Flight Schools

Buguruslan Civil Aviation Flight School imeni Hero of the Soviet Union P. F. Yeromasov; 461600, Buguruslan, Orenburg Oblast.

Krasnyy Kut Civil Aviation Flight School; 413240, Krasnyy Kut, Saratov Oblast.

Sasovo Civil Aviation Flight School imeni Hero of the Soviet Union G. A. Taran; 391600, Sasovo, Ryazan Oblast.

Kremenchug Civil Aviation Flight School, Order of the Friendship among Peoples; 315320, Kremenchug, Poltava Oblast.

Kirovograd Civil Aviation Flight Navigation School; 316005, Kirovograd, Ulitsa Dobrovol'skogo.

The Buguruslan, Krasnyy Kut, and Sasovo flight schools train airplane pilots; the Kremenchug school trains helicopter pilots; and the Kirovograd Flight Navigation School trains air traffic control specialists.

The training period is 2 years, 10 months.

##### Flight Technical Schools

Omsk Civil Aviation Flight Technical School trains civil aviation airplane pilots; radio engineers in the technical operation of airplane radio equipment; electrical engineers in the operation of aviation instruments and airplane electrical equipment; radio engineers in the operation of ground radio equipment for airplane navigation and landing.

The training period for pilots is 2 years, 10 months; for other technical professions it is 2 years, 9 months.

The address is: 644087, Omsk, Airport, Omsk Civil Aviation Technical Flight School.

Riga Civil Aviation Technical Flight School trains specialists in air traffic control; and radio engineers in the technical operation of ground radio equipment for airplane navigation and landing.

The training period is 2 years, 10 months for the air traffic control specialization; for the other technical trades it is 2 years, 9 months.

The address is: 226060, Riga, Ulitsa Pilotu 1.

#### Aviation Technical Schools

Irkutsk Civil Aviation Technical School; 664009, Irkutsk, Ulitsa Sovetskaya 139.

Kirsanov Civil Aviation Technical School; 393350, Kirsanov, Tambov Oblast.

Troitsk Civil Aviation Technical School; 457100, Troitsk, Chelyabinsk Oblast.

Frunze Civil Aviation Technical School; 720084, Frunze, Ulitsa Akademika Lushchikhina 60.

The above schools train mechanical engineers in the technical operation of airplanes and aircraft engines.

Vyborg Civil Aviation Technical School imeni Marshal of Aviation S. F. Zhavoronkov trains mechanical engineers in the technical operation of helicopters and aircraft engines. 188900, Vyborg, Leningrad Oblast.

Yegorevsk Civil Aviation Technical School trains mechanical engineers in the technical operation of airplanes and aircraft engines, and operations engineers in the transport and storage of oil and gas. 140303, Yegorevsk, Moscow Oblast.

Krasnoyarsk Civil Aviation Technical School trains radio engineers in the technical operation of ground radio equipment for airplane navigation and landing. 660022, Krasnoyarsk, Aerovokzal'naya 14.

Krivoy Rog Civil Aviation Technical School trains radio engineers in the technical operation of airplane radio equipment, and electrical engineers in the operation of aviation instruments and airplane electrical equipment. 324020, Krivoy Rog, Dnepropetrovsk Oblast.

Leningrad Civil Aviation Technical School trains process engineers in the organization of air transport. 192104, Leningrad, Liteynyy Prospekt 48.

Minsk Civil Aviation Technical School trains radio engineers in the technical operation of airplane radio equipment, and electrical engineers in the operation of aviation instruments and airplane electrical equipment. 220105, Minsk, Ulitsa Chizhevskaya 69.

Rylsk Civil Aviation Technical School trains radio engineers in the technical operation of ground radio equipment for airplane navigation and landing. 307330, Rylsk, Kursk Oblast.

Slavyansk Civil Aviation Technical School trains mechanical engineers in the technical operation of airplanes and aircraft engines; electrical engineers in the technical operation of flight safety lighting equipment and airport electrical installations; electrical engineers in the operation of aviation instruments and airplane electrical equipment; and mechanical engineers in the



technical operation of airport mechanization systems. 343213, Slavyansk, Donetsk Oblast.

The training period at aviation technical schools is 2 years, 9 months. At the Leningrad school it is 2 years, 5 months.

#### Conditions for Admission

The daytime departments of civil aviation flight and technical schools accept male applicants with secondary education, physically fit for flight duty (for the "pilot" and "air traffic control" specializations) or for technical work in civil aviation (for the remaining specializations). The age requirements are for pilots: between 17 and 22 years old; for the other specializations: up to 25 years old.

Age is based on the applicant's age as of 1 September of the enrollment year.

The correspondence departments accept applicants of both sexes with secondary education who are working in the area of specialization to be studied; there are no age restrictions.

Correspondence study is offered at the Yegorevsk, Irkutsk, Krivoy Rog, and Leningrad aviation technical schools, and at the Omsk flight technical school in the technical specializations; the Riga Flight Technical School offers correspondence study in the "air traffic control" specialization.

Those applying for admission several years after completion of secondary school should have practical work experience of at least 6 months for every year that they have been out of school.

Civil aviation school applicants should submit the following documents:

- a) application;
- b) secondary school certificate (original);
- c) reference from place of employment (for people who have been working already);
- d) individuals who have been working for at least 2 years should submit excerpts from labor books; length of service is counted as of 1 September;
- e) 6 photographs (without headwear, 3x4 cm);
- f) medical certificate (form No 286);
- g) autobiographical statement;
- h) individuals applying for the "pilot", "organization of air transport", and "air traffic control" specializations must present a certificate from a psychoneurological clinic and an x-ray of the nasal sinuses with the x-ray technician's conclusions.

Passports and military service documents are to be presented to the admissions committee in person.

Civil aviation schools do not accept applications from individuals who have completed higher or secondary specialized educational institutions.

Applications are accepted between 1 June and 25 July; entrance examinations are given between 10 July and 6 August.

Entrance examinations are given in mathematics (oral) and Russian language and literature (written). Candidates for the "pilot" specialization are checked for physical fitness.

Individuals who graduated from general education school with grades of "4" and "5" are admitted without entrance examinations to the "transport and storage of oil and gas" specialization at Yegorevsk Aviation Technical School; to the "air traffic control" specialization at Kirovograd Flight Navigation School and Riga Flight Technical School; and to the "technical operation of airport mechanization systems" specialization at Slavyansk Aviation Technical School.

Students at civil aviation schools are provided with full state support; they receive dormitory housing, meals, and uniforms free of charge, and a stipend of 9 rubles per month.

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CSO: 1829/336

## RAIL SYSTEMS

### RAILWAYS MINISTRY INSTITUTES

Moscow GUDOK in Russian 14 Jun 83 p 4

[Text] Moscow Railway Transportation Engineering Institute, Order of Lenin and Order of the Red Banner of Labor; 103055, Moscow, Ulitsa Obratsova 15

Daytime instruction is offered in the following areas of specialization: 1) management of shipping processes in railway transportation; 2) automation, remote control, and communications in railway transportation; 3) construction of railways; line and track management; 4) electrification of railway transportation; 5) diesel locomotives and locomotive management; 6) railroad car building and management; 7) technology of transportation machine building and repair of rolling stock; 8) bridges and tunnels; 9) industrial and civil construction; 10) road and construction machinery and equipment; 11) automated control systems; 12) electronic computers; 13) applied mathematics; 14) locomotive building; 15) industrial thermal power; 16) automation and remote control; 17) economics and organization of railway transport; 18) economics and organization of construction; 19) organization of automated economic data processing; 20) accounting and analysis of economic operations; 21) labor organization and norm setting.

Evening instruction is offered in the following areas of specialization: 1) management of shipping processes in railway transportation; 2) automation, remote control, and communications in railway transportation; 3) construction of railways; line and track management; 4) electrification of railway transportation; 5) diesel locomotives and locomotive management; 6) railroad car building and management; 7) bridges and tunnels; 8) industrial and civil construction; 9) road and construction machinery and equipment; 10) industrial thermal power; 11) automation and remote control; 12) economics and organization of railway transportation; 13) economics and organization of construction; 14) accounting and analysis of economic operations.

Leningrad Railway Transportation Engineering Institute imeni Academician V. N. Obratsov, Order of Lenin; 190031, Leningrad, Moskovskiy Prospekt 9.

Daytime instruction is offered in the following areas of specialization: 1) management of shipping processes in railway transportation; 2) automation, remote control, and communications in railway transportation; 3) construction of railways; line and track management; 4) electrification of railway transportation; 5) diesel locomotives and locomotive management; 6) railroad

car building and management; 7) bridges and tunnels; 8) road and construction machinery and equipment; 9) industrial and civil construction; 10) water supply and sewerage; 11) electronic computers.

Evening instruction is offered in the following areas of specialization: 1) management of shipping processes in railway transportation; 2) automation, remote control, and communications in railway transportation; 3) construction of railways; line and track management; 4) electrification of railway transportation; 5) railroad car building and management; 6) bridges and tunnels; 7) industrial and civil construction; 8) road and construction machinery and equipment.

Correspondence study is offered in the following areas of specialization: 1) management of shipping processes in railway transportation; 2) automation, remote control, and communications in railway transportation; 3) construction of railways; line and track management; 4) electrification of railway transportation; 5) diesel locomotives and locomotive management; 6) railroad car building and management; 7) bridges and tunnels; 8) industrial and civil construction; 9) water supply and sewerage; 10) road and construction machinery and equipment; 11) economics and organization of railway transportation; 12) economics and organization of construction.

The institute has branches in Volikovo Luki and Riga.

Belarussian Railway Transportation Engineering Institute; 246000, Gomel, Ulitsa Kirova 34.

Daytime instruction is offered in the following areas of specialization: 1) management of shipping processes in railway transportation; 2) automation, remote control, and communications in railway transportation; 3) construction of railways; line and track management; 4) diesel locomotives and locomotive management; 5) railroad car building and management; 6) industrial and civil construction.

Evening instruction is offered in the following areas of specialization: 1) management of shipping processes in railway transportation; 2) automation, remote control, and communications in railway transportation; 3) construction of railways; line and track management; 4) diesel locomotives and locomotive management; 5) railroad car building and management; 6) industrial and civil construction.

Correspondence study is offered in the following areas of specialization: 1) management of shipping processes in railway transportation; 2) automation, remote control, and communications in railway transportation; 3) construction of railways; line and track management; 4) diesel locomotives and locomotive management; 5) railroad car building and management; 6) industrial and civil construction; 7) economics and organization of railway transportation.

Kharkov Railway Transportation Engineering Institute imeni S. M. Kirov; 310050, Kharkov, Ploshchad' Feyerbakha 7.



Daytime instruction is offered in the following areas of specialization: 1) management of shipping processes in railway transportation; 2) automation, remote control, and communications in railway transportation; 3) construction of railways; line and track management; 4) diesel locomotives and locomotive management; 5) railroad car building and management; 6) road and construction machinery and equipment; 7) organization of automated economic data processing; 8) accounting and analysis of economic operations.

Evening instruction is offered in the following areas of specialization: 1) electrification of railway transportation; 2) automation, remote control, and communications in railway transportation; 3) construction of railways; line and track management; 4) industrial and civil construction; 5) road and construction machinery and equipment; 6) industrial thermal power.

Correspondence study is offered in the following areas of specialization: 1) management of shipping processes in railway transportation; 2) automation, remote control, and communications in railway transportation; 3) construction of railways; line and track management; 4) electrification of railway transportation; 5) diesel locomotives and locomotive management; 6) railroad car building and management; 7) industrial and civil construction; 8) road and construction machinery and equipment; 9) economics and organization of railway transportation; 10) accounting and analysis of economic operations.

The institute has branches in Kiev and Donetsk.

Dnepropetrovsk Railway Transportation Engineering Institute imeni M. I. Kalinin, Order of the Red Banner of Labor; 320629, Dnepropetrovsk, Ulitsa Akademika V. A. Lazaryana 2.

Daytime instruction is offered in the following areas of specialization: 1) management of shipping processes in railway transportation; 2) construction of railways; line and track management; 3) electrification of railway transportation; 4) railroad car building and management; 5) diesel locomotives and locomotive management; 6) industrial and civil construction; 7) electronic computers; 8) applied mathematics; 9) bridges and tunnels.

Evening instruction is offered in the following areas of specialization: 1) electrification of railway transportation; 2) diesel locomotives and locomotive management; 3) railroad car building and management; 4) industrial and civil construction; 5) electronic computers.

Correspondence study is offered in the following areas of specialization: 1) management of shipping processes in railway transportation; 2) automation, remote control, and communications in railway transportation; 3) construction of railways; line and track management; 4) electrification of railway transportation; 5) diesel locomotives and locomotive management; 6) railroad car building and management; 7) industrial thermal power; 8) water supply and sewerage; 9) economics and organization of railway transportation; 10) accounting and analysis of economic operations.

Rostov Railway Transportation Engineering Institute; 344017, Rostov-on-Don, Yubileynaya Ploshchad' 2.



Daytime instruction is offered in the following areas of specialization: 1) management of shipping processes in railway transportation; 2) automation, remote control, and communications in railway transportation; 3) construction of railways; line and track management; 4) electrification of railway transportation; 5) electrical machinery; 6) diesel locomotives and locomotive management; 7) railroad car building and management; 8) road and construction machinery and equipment; 9) industrial thermal power.

Evening instruction is offered in the following areas of specialization: 1) management of shipping processes in railway transportation; 2) automation, remote control, and communications in railway transportation; 3) electrification of railway transportation; 4) railroad car building and management; 5) road and construction machinery and equipment.

Correspondence study is offered in the following areas of specialization: 1) management of shipping processes in railway transportation; 2) automation, remote control, and communications in railway transportation; 3) construction of railways; line and track management; 4) electrification of railway transportation; 5) diesel locomotives and locomotive management; 6) railroad car building and management; 7) road and construction machinery and equipment; 8) economics and organization of railway transportation.

The Institute has a branch in Baku.

Tashkent Railway Transportation Engineering Institute, Order of the Red Banner of Labor; 700045, Tashkent, Ulitsa Oboronnaya 1.

Daytime instruction is offered in the following areas of specialization: 1) management of shipping processes in railway transportation; 2) automation, remote control, and communications in railway transportation; 3) construction of railways; line and track management; 4) diesel locomotives and locomotive management; 5) railroad car building and management; 6) industrial and civil construction; 7) water supply and sewerage; 8) accounting and analysis of economic operations.

Evening instruction is offered in the following areas of specialization: 1) management of shipping processes in railway transportation; 2) construction of railways; line and track management; 3) industrial and civil construction; 4) automation, remote control, and communications in railway transportation; 5) diesel locomotives and locomotive management; 6) railroad car building and management; 7) industrial thermal power; 8) accounting and analysis of economic operations; 9) economics and organization of railway transportation.

Correspondence study is offered in the following areas of specialization: 1) management of shipping processes in railway transportation; 2) automation, remote control, and communications in railway transportation; 3) construction of railways; line and track management; 4) electrification of railway transportation; 5) diesel locomotives and locomotive management; 6) railroad car building and management; 7) industrial and civil construction; 8) water supply and sewerage; 9) industrial thermal power; 10) economics and

organization of railway transportation; 11) accounting and analysis of economic operations.

The Institute has a branch in Ashkhabad.

Ural Railway Transportation Electrical and Mechanical Engineering Institute; 620079, Sverdlovsk, Ulitsa Kolmogorova 66.

Daytime instruction is offered in the following areas of specialization: 1) management of shipping processes in railway transportation; 2) automation, remote control, and communications in railway transportation; 3) construction of railways; line and track management; 4) electrification of railway transportation; 5) railroad car building and management; 6) industrial and civil construction.

Correspondence study is offered in the following areas of specialization: 1) management of shipping processes in railway transportation; 2) automation, remote control, and communications in railway transportation; 3) construction of railways; line and track management; 4) electrification of railway transportation; 5) railroad car building and management; 6) industrial and civil construction.

The institute has a branch in Chelyabinsk.

Novosibirsk Railway Transportation Engineering Institute, Order of the Red Banner of Labor; 630023, Novosibirsk, Ulitsa Dusi Koval'chuk 191.

Daytime instruction is offered in the following areas of specialization: 1) management of shipping processes in railway transportation; 2) construction of railways; line and track management; 3) industrial and civil construction; 4) road and construction machinery and equipment; 5) bridges and tunnels; 6) water supply and sewerage; 7) economics and organization of railway transportation; 8) accounting and analysis of economic operations.

Correspondence study is offered in the following areas of specialization: 1) management of shipping processes in railway transportation; 2) automation, remote control, and communications in railway transportation; 3) construction of railways; line and track management; 4) bridges and tunnels; 5) industrial and civil construction; 6) road and construction machinery and equipment; 7) water supply and sewerage; 8) economics and organization of railway transportation; 9) economics and organization of construction; 10) accounting and analysis of economic operations.

Omsk Railway Transportation Engineering Institute; 644010, Omsk, Prospekt Marksa 35.

Daytime instruction is offered in the following areas of specialization: 1) automation, remote control, and communications in railway transportation; 2) electrification of railway transportation; 3) diesel locomotives and locomotive management; 4) railroad car building and management; 5) automation and remote control.

Correspondence study is offered in the following areas of specialization: 1) automation, remote control, and communications in railway transportation; 2) electrification of railway transportation; 3) diesel locomotives and locomotive management; 4) railroad car building and management; 5) industrial thermal power.

Khabarovsk Railway Transportation Engineering Institute; 680056, Khabarovsk-5, Ulitsa Serysheva 47.

Daytime instruction is offered in the following areas of specialization: 1) management of shipping processes in railway transportation; 2) automation, remote control, and communications in railway transportation; 3) construction of railways; line and track management; 4) electrification of railway transportation; 5) diesel locomotives and locomotive management; 6) railroad car building and management; 7) bridges and tunnels; 8) industrial and civil construction; 9) road and construction machinery and equipment; 10) water supply and sewerage; 11) accounting and analysis of economic operations.

Evening instruction is offered in the following areas of specialization: 1) automation, remote control, and communications in railway transportation; 2) electrification of railway transportation; 3) industrial and civil construction; 4) economics and organization of railway transportation.

Correspondence study is offered in the following areas of specialization: 1) management of shipping processes in railway transportation; 2) automation, remote control, and communications in railway transportation; 3) construction of railways; line and track management; 4) electrification of railway transportation; 5) diesel locomotives and locomotive management; 6) railroad car building and management; 7) bridges and tunnels; 8) industrial and civil construction; 9) road and construction machinery and equipment; 10) water supply and sewerage; 11) economics and organization of railway transportation; 12) accounting and analysis of economic operations.

The institute has a branch in Chita.

Kuybyshev Railway Transportation Engineering Institute; 443821, Kuybyshev, 1st Bezymyanny Pereulok 1.

Daytime instruction is offered in the following areas of specialization: 1) management of shipping processes in railway transportation; 2) automation, remote control, and communications in railway transportation; 3) construction of railways; line and track management.

Evening instruction is offered in the following areas of specialization: 1) management of shipping processes in railway transportation; 2) automation, remote control, and communications in railway transportation; 3) construction of railways; line and track management.

Correspondence study is offered in the following areas of specialization: 1) management of shipping processes in railway transportation; 2) automation, remote control, and communications in railway transportation; 3) construction of railways; line and track management; 4) electrification of railway

transportation; 5) diesel locomotives and locomotive management; 6) railroad car building and management; 7) industrial and civil construction.

Irkutsk Railway Transportation Engineering Institute; 664428, Irkutsk, Ulitsa Kurchatova 10.

Daytime instruction is offered in the following areas of specialization: 1) management of shipping processes in railway transportation; 2) construction of railways; line and track management; 3) electrification of railways; 4) railroad car building and management.

Correspondence study is offered in the following areas of specialization: 1) management of shipping processes in railway transportation; 2) automation, remote control, and communications in railway transportation; 3) construction of railways; line and track management; 4) electrification of railway transportation; 5) railroad car building and management; 6) bridges and tunnels; 7) diesel locomotives and locomotive management; 8) economics and organization of railway transportation; 9) road and construction machinery and equipment; 10) water supply and sewerage; 11) accounting and analysis of economic operations.

Alma-Ata Railway Transportation Engineering Institute; 480012, Alma-Ata, Ulitsa Shevchenko 99.

Daytime instruction is offered in the following areas of specialization: 1) management of shipping processes in railway transportation; 2) automation, remote control, and communications in railway transportation; 3) construction of railways; line and track management; 4) electrification of railway transportation; 5) diesel locomotives and locomotive management; 6) railroad car building and management; 7) industrial and civil construction.

Correspondence study is offered in the following areas of specialization: 1) management of shipping processes in railway transportation; 2) automation, remote control, and communications in railway transportation; 3) construction of railways; line and track management; 4) electrification of railway transportation; 5) diesel locomotives and locomotive management; 6) railroad car building and management; 7) industrial and civil construction; 8) road and construction machinery and equipment.

The institute has branches in Aktyubinsk and Tselinograd.

All-Union Railway Engineering Correspondence Institute; 125808, GSP, Moscow, Ulitsa Chasovaya 22/2.

Correspondence study is offered in the following areas of specialization: 1) management of shipping processes in railway transportation; 2) automation, remote control, and communications in railway transportation; 3) construction of railways; line and track management; 4) electrification of railway transportation; 5) diesel locomotives and locomotive management; 6) railroad car building and management; 7) bridges and tunnels; 8) industrial and civil construction; 9) road and construction machinery and equipment; 10) electronic computers; 11) industrial thermal power; 12) water supply and sewerage; 13)



economics and organization of railway transportation; 14) organization of automated economic data processing; 15) accounting and analysis of economic operations.

Evening instruction is offered in the following areas of specialization: 1) automation, remote control, and communications in railway transportation; 2) electrification of railway transportation; 3) industrial and civil construction; 4) road and construction machinery and equipment; 5) electronic computers; 6) organization of automated economic data processing; 7) economics and organization of railway transportation; 8) accounting and analysis of economic operations.

The institute has branches in Gorkiy, Yaroslavl and Voronezh.

#### Conditions for Admission

Railway transportation engineering institutes admit USSR citizens of both sexes with complete secondary education, for study with leave from work, up to the age of 35 years; for study without leave from work (correspondence and evening study) there is no age restriction. Applicants must pass entrance examinations; the most worthy, best prepared, and most capable applicants are admitted by means of a competitive selection process; they must also submit a reference for enrolling in a VUZ.

Applicants should send the proper application form to the rector of the VUZ. Anyone wishing to enroll in correspondence study should submit an application to the VUZ nearest his place of residence that trains specialists in his particular area of interest.

In June all the VUZes offer courses to help school graduates prepare for the entrance examinations.

Application materials should include:  
Original school graduation certificate;  
Reference for enrolling in a VUZ;  
Medical certificate (form No 286);  
4 photographs (taken without headwear, 3x4 cm).

Institutes accept applications according to the following schedules:

For daytime instruction--between 20 June and 31 July;  
For evening instruction--between 20 June and 31 August;  
For correspondence study--between 20 April and 31 August.

Applicants for admission to railway transportation engineering institutes must take entrance examinations in the following disciplines:

1) For all areas of specialization (other than "accounting and analysis of economic operations")--mathematics (oral and written); physics (oral); Russian language and literature (written);



2) For the "accounting and analysis of economic operations" specialization--mathematics, geography, history (oral); and Russian language and literature (written).

The entrance examinations are conducted according to the programs approved by the USSR Ministry of Higher and Secondary Specialized Education, and in accordance with the program of secondary general education schools during the following time periods:

For daytime instruction--between 1 and 20 August;  
For evening instruction--between 11 August and 10 September;  
For correspondence study--between 15 May and 10 September.

Enrollment for students admitted to railway transportation engineering institutes is held between 21 and 25 August for daytime instruction; and between 21 August and 20 September for evening and correspondence study.

Detailed information about admissions may be obtained from the admissions committees of the individual institutes.

#### Additional Comments

1. Individuals who enroll in areas of specialization in railway engineering that are suffering acute shortages of skilled specialists, and who graduated from secondary general education schools with a gold medal, or who graduated with honors from secondary specialized or vocational-technical schools in specializations that correspond or are related to those fields suffering shortages, are admitted to institutes without entrance examinations (except for those in Moscow, Leningrad, and Kiev). These individuals are accepted between 20 and 25 July; the number of people admitted under these conditions is determined by the admissions committee.

2. Individuals who enroll in the railway engineering fields that are suffering acute shortages and have been sent to study by transportation enterprises in Siberia, the North, the Far East, and the non-chernozem region of the RSFSR; as well as from the Volga, Southern Ural, Tselina, and Western Caucasus Railways, receive stipends from their enterprises, regardless of their length of service, according to the conditions stipulated in the decree of the USSR Council of Ministers of 18 September 1959, No 1099. They participate in the competitive selection process on the same basis as individuals who have been working at least 2 years.

3. Individuals who have been released into the reserves from the USSR Armed Forces, organs of the USSR Committee of State Security, and organs of the USSR Ministry of Internal Affairs--officers, ensigns, warrant officers, and soldiers who re-enlisted, and who have complete secondary education, regardless of the length of time they have been in the reserves, are admitted to institutes outside the regular competition if they receive positive scores on their entrance examinations.

4. Anyone wishing to enroll in correspondence study should send an application to the railway transportation engineering VUZ, branch, or education

consultation center nearest his place of residence indicating his area of interest.

5. Daytime students are provided with uniforms free of charge. Each year they are given a free single ticket for railway travel anywhere in the Soviet Union.

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CSO: 1829/337

## RAIL SYSTEMS

### RAILWAYS MINISTRY TEKHNIKUMS

Moscow GUDOK in Russian 23 Jun 83 p 4

[Text] The Ministry of Railways Educational Institutions Main Administration announces that the following railway transportation tekhnikums are accepting applications for study in the areas of specialization listed:

Aktyubinsk Railway Transportation Tekhnikum--construction and operation of lines and track; locomotive management; industrial and civil construction; operation of railways; automation and remote control in railway transportation. The correspondence department offers the same areas of specialization as the daytime department. 463000, Aktyubinsk, Zapadno-Kazakhstanskaya Doroga.

Alatyr Railway Transportation Tekhnikum--construction and operation of lines and track; locomotive management; operation of railways. The correspondence department offers the same areas of specialization as the daytime department. 429800, Chuvash ASSR, Alatyr, Pervomayskaya Ulitsa 48.

Alma-Ata Railway Transportation Tekhnikum--automation and remote control in railway transportation; operation of railways; railroad car management; construction and operation of lines and track; locomotive management. The correspondence department offers the same areas of specialization as the daytime department, in addition to accounting. 480012, Alma-Ata, Ulitsa Dzhabula 102.

Artemovsk Railway Transportation Tekhnikum imeni October Revolution--automation and remote control in railway transportation; operation of railways; construction and operation of lines and track. The correspondence department offers the same areas of specialization as the daytime department, in addition to accounting. 343400, Donetsk Oblast, Artemovsk, Ulitsa Artema 3.

Ashkhabad Railway Transportation Tekhnikum--railroad car management; operation of railways; construction and operation of lines and track; locomotive management. The correspondence department offers the same areas of specialization as the daytime department. 744007, Ashkhabad, Prospekt Svobody 68.

Baku Railway Transportation Tekhnikum--railroad car management; construction and operation of lines and track; electric traction in railway transportation; operation of railways. The correspondence department offers the same areas of

specialization as the daytime department, in addition to accounting. 370008, Baku, Ulitsa Chapayeva 51.

Bataysk Railway Transportation Tekhnikum--automation and remote control in railway transportation; operation of railways; mechanization of loading operations. There is no correspondence department. 346730, Rostov Oblast, Bataysk.

Beltsy Railway Transportation Tekhnikum--operation of railways; automation and remote control in railway transportation. There is no correspondence department. 279200, Moldavian SSR, Beltsy, Ulitsa Artema 101.

Brest Railway Transportation Tekhnikum--automation and remote control in railway transportation; radio communications and broadcasting; construction and operation of lines and track in railway transportation; mechanization of loading operations. The correspondence department offers the same areas of specialization as the daytime department. 224628, Brest, Pushkinskaya Ulitsa 65.

Bryansk Railway Transportation Tekhnikum--power supply and power management in railway transportation; electric traction in railway transportation; operation of railways. There is no correspondence department. 241020, Bryansk, Ulitsa Dzerzhinskogo 47.

Velikiye Luki Railway Transportation Tekhnikum imeni K. S. Zaslavov--railroad car management; operation of railways; locomotive management. The correspondence department offers the same areas of specialization as the daytime department. 182100, Pskov Oblast, Velikiye Luki, Pervomayskaya Ulitsa 16.

Volgograd Railway Transportation Tekhnikum--railroad car management; locomotive management; electric traction in railway transportation. The correspondence department offers the same areas of specialization as the daytime department. 440003, Volgograd, Ulitsa Klubnaya 39.

Vilnius Railway Transportation Tekhnikum--construction and operation of lines and track; automation and remote control in railway transportation; operation of railways. The correspondence department offers the same areas of specialization as the daytime department. 232728, Vilnius, Ulitsa 21 Lijepos 20/7.

Vinnitsa Railway Transportation Tekhnikum--forestry; industrial and civil construction; construction and operation of lines and track; track and construction machinery. The correspondence department offers the same areas of specialization as the daytime department, except for forestry. 286001, Vinnitsa, Ulitsa Nekrasova 34.

Vologda Railway Transportation Tekhnikum--construction and operation of lines and track; locomotive management; railroad car management; electric traction in railway transportation; power supply and power management in railway transportation. The correspondence department offers the same areas of specialization as the daytime department, in addition to operation of railways. 160009, Vologda, Tekhnikumovskiy Pereulok 4.

Voronezh Electrical Machinery Railway Transportation Tekhnikum--programming for high-speed computers; isothermal rolling stock and cooling management; locomotive management; railroad car management. The correspondence department offers the same areas of specialization as the daytime department, except for programming for high-speed computers. 394928, Voronezh, Ulitsa 8. Khmel'nitskogo 35.

Voronezh Railway Transportation Tekhnikum--automation and remote control in railway transportation; automation of accounting and computing operations; electric traction in railway transportation; power supply and power management in railway transportation; operation of railways. The correspondence department offers the same areas of specialization as the daytime department, in addition to accounting. 394620, Voronezh, Studencheskaya Ulitsa 18.

Georgiu-Dezh Railway Transportation Tekhnikum--electric traction in railway transportation; automation of loading operations; operation of railways. The correspondence department offers the same areas of specialization, in addition to isothermal rolling stock and refrigeration. 396410, Voronezh Oblast, Georgiu-Dezh, MPS, 103. The tekhnikum does not have a dormitory.

Gomel Railway Transportation Tekhnikum--accounting; locomotive management; railroad car management; isothermal rolling stock and refrigeration management; merchandising, material and technical supply, and sales. The correspondence department offers the same areas of specialization as the daytime department. 246000, Gomel, Sovetskaya Ulitsa 59.

Gorkiy Railway Transportation Tekhnikum--wire communications in transportation; power supply and power management in railway transportation; automation and remote control in railway transportation; operation of railways; electric traction in railway transportation. The correspondence department offers the same areas of specialization as the daytime department, in addition to railroad car management and accounting. 603002, Gorkiy, Ulitsa Chkalova 5-a.

Guryev Railway Transportation Tekhnikum--construction and operation of lines and track; automation and remote control in railway transportation; operation of railways; locomotive management. The correspondence department offers the same areas of specialization as the daytime department. 465000, Zapadno-Kazakhstanskaya Doroga, Guryev.

Daugavpils Railway Transportation Tekhnikum--construction and operation of lines and track; locomotive management; railroad car management; operation of railways. The correspondence department offers the same areas of specialization as the daytime department. 228427, Daugavpils, Ulitsa Kaunas 26.

Dnepropetrovsk Railway Transportation Tekhnikum--operation of railways; power supply and power management in railway transportation; electric traction in railway transportation; automation and remote control in railway transportation; isothermal rolling stock and refrigeration. The correspondence department offers the same areas of specialization as the daytime department, in addition to accounting. 320600, Dnepropetrovsk, Prospekt Pushkina 77-a.



Debaltsevo Railway Transportation Tekhnikum--construction and operation of lines and track; railroad car management. There is no correspondence department. 343810, Donetsk Oblast, Debaltsevo, Ulitsa Sosyury 23-a.

Yelets Railway Transportation Tekhnikum--Industrial and civil construction; bridges and other man-made structures; construction and operation of lines and track; track and construction machinery. The correspondence department offers the same areas of specialization as the daytime department, except for bridges and other man-made structures. 399740, Lipetsk Oblast, Yelets, Ulitsa Vermisheva 12.

Kaluga Railway Transportation Tekhnikum--track and construction machinery; construction and operation of lines and track; automation and remote control in railway transportation; locomotive management. There is no correspondence department. 243620, Kaluga, Ulitsa Vilonova 11.

Kanash Railway Transportation Evening Tekhnikum--metal-cutting; railroad car management. There is no correspondence department. 429300, Chuvash ASSR, Kanash, Ulitsa Chkalova 1.

Kzyl-Orda Railway Transportation Tekhnikum--construction and operation of lines and track; locomotive management. There is no correspondence department. 468510, Kazakh SSR, Kzyl-Orda Oblast, Syr-Daryinskiy rayon, "Komsomol'skiy" sovkhos.

Kiev Railway Transportation Tekhnikum--isothermal rolling stock and refrigeration; locomotive management; operation of railways. The correspondence department offers the same areas of specialization as the daytime department, in addition to railroad car management; automation of loading operations; and accounting. 252030, Kiev, Ulitsa Chkalova 6.

Kiev Electrical Machinery Railway Transportation Tekhnikum imeni N. Ostrovskiy--automation and remote control in railway transportation; wire communications in transportation; electric traction in railway transportation; radio communications and broadcasting; power supply and power management in railway transportation. The correspondence department offers the same areas of specialization as the daytime department. 252037, Kiev, Vozdukhoflotskiy Prospekt 35.

Krasnodar Railway Transportation Correspondence Tekhnikum--operation of railways; railroad car management; electric traction in railway transportation. 350033, Krasnodar, Ulitsa Vokzal'naya 30.

Krasnoyarsk Railway Transportation Tekhnikum--railroad car management; electric traction in railway transportation; water supply, sewerage, and purification of industrial and waste water; construction and operation of lines and track; operation of railways; track and construction machinery. The correspondence department offers the same areas of specialization, except for water supply, sewerage, and purification of industrial and waste water. 660028, Krasnoyarsk, Ulitsa Novaya Zarya 2.

Kremenchug Railway Transportation Tekhnikum--railroad car management; locomotive management; construction and operation of lines and track. The correspondence department offers the same areas of specialization as the daytime department. 315300, Poltava Oblast, Kremenchug, Ulitsa Leonova 14.

Kuybyshev Railway Transportation Tekhnikum imeni A. A. Buyanov--automation and remote control in railway transportation; electric traction in railway transportation; power supply and power management in railway transportation; operation of railways. The correspondence department offers the same areas of specialization as the daytime department, in addition to accounting. 443030, Kuybyshev, Komsomol'skaya Ploshchad' 24.

Kursk Railway Transportation Tekhnikum--Power supply and power management in railway transportation; electric traction in railway transportation. There is no correspondence department. 305006, Kursk, Ulitsa Dobrolyubova 4.

Leninakan Railway Transportation Tekhnikum--operation of railways. The correspondence department offers this area of specialization, in addition to construction and operation of lines and track. 377502, Leninakan, Prospekt Lenina 29.

Leningrad Railway Transportation Tekhnikum imeni F. E. Dzerzhinskiy--automation and remote control in railway transportation; operation of railways; construction and operation of lines and track; power supply and power management in railway transportation; electric traction in railway transportation. The correspondence department offers the same areas of specialization as the daytime department, in addition to wire communications in transportation, and accounting. 196180, Leningrad, Ulitsa Sedova 56.

Lvov Railway Transportation Tekhnikum--automation and remote control in railway transportation; locomotive management; operation of railways. The correspondence department offers the same areas of specialization as the daytime department, in addition to accounting. 290011, Lvov, Snopkovskaya Ulitsa 47.

Moscow Railway Transportation Evening Tekhnikum--metal-cutting; installation and repair of industrial equipment. There is no correspondence department. 108385, Moscow, Zh-385, Lyubinskaya Ulitsa 76.

Moscow Railway Transportation Tekhnikum--construction and operation of lines and track; accounting; automation of accounting and computing operations. There is no correspondence department. 125315, Moscow, A-315, Ulitsa Chasovaya 22/2. The tekhnikum does not have a dormitory. It accepts individuals who are permanent residents of Moscow and Moscow Oblast.

Moscow Railway Transportation Tekhnikum imeni A. A. Andreyev--automation and remote control in railway transportation; wire communications in transportation; operation of railways; radio communications and broadcasting; operation of electronic automated systems and machinery in railway transportation. There is no correspondence department. 129806, Moscow, Prospekt Mira, Kuchin Pereulok 14.

Moscow Railway Transportation Tekhnikum imeni F. E. Dzerzhinskiy--locomotive management; electric traction in railway transportation; railroad car management; isothermal rolling stock and refrigeration; power supply and power management in railway transportation. There is no correspondence department. 109084, Moscow, Ulitsa Lyubinskaya 88.

Lower Dnepr Railway Transportation Evening Tekhnikum--metal-cutting; railroad car management. There is no correspondence department. 324024, Dnepropetrovsk, Universal'nyy Pereulok 8.

Nikolayev Railway Transportation Tekhnikum imeni Academician V. N. Obrastsov--automation of loading operations; automation and remote control in railway transportation; construction and operation of lines and track; track and construction machinery. The correspondence department offers the same areas of specialization as the daytime department. 327020, Nikolayev, Pushkinskaya Ulitsa 71.

Odessa Railway Transportation Tekhnikum imeni F. E. Dzerzhinskiy--railroad car management; isothermal rolling stock and refrigeration; locomotive management; operation of railways. The correspondence department offers the same areas of specialization as the daytime department, in addition to electric traction in railway transportation, and accounting. 270028, Odessa, Ploshchad' Vosstaniya 17.

Ozherelye Railway Transportation Tekhnikum--railroad car management; isothermal rolling stock and refrigeration; electric traction in railway transportation. There is no correspondence department. 142920, Moscow Oblast, Ozherelye, Studencheskaya Ulitsa 7.

Omsk Railway Transportation Tekhnikum--automation and remote control in railway transportation; power supply and power management in railway transportation. The correspondence department offers the same areas of specialization as the daytime department, in addition to operation of railways. 644005, Omsk, Ulitsa Akademika Pavlova 30.

Ordzhonikidze Railway Transportation Tekhnikum--automation and remote control in railway transportation; locomotive management; operation of railways. The correspondence department offers the same areas of specialization as the daytime department. 362016, Ordzhonikidze, Chermenskiy Proyezd 6.

Orenburg Railway Transportation Tekhnikum--electric traction in railway transportation; track and construction machinery; locomotive management; construction and operation of lines and track. The correspondence department offers the same areas of specialization as the daytime department, in addition to industrial and civil construction. 460643, Orenburg, Ulitsa Brat'yev Korostalevnykh 28/1.

Orel Railway Transportation Tekhnikum--automation and remote control in railway transportation; operation of railways; wire communications in transportation. There is no correspondence department. 302004, Orel, Ulitsa Studencheskaya 2.

Orsha Railway Transportation Tekhnikum--operation of railways, water supply, sewerage, and purification of industrial and waste water; power supply and power management in railway transportation; industrial and civil construction. The correspondence department offers the same areas of specialization as the daytime department. 211030, Vitebsk Oblast, Orsha, Ulitsa Timiryazeva 26.

Pavlodar Railway Transportation Tekhnikum--construction and operation of lines and track; railroad car management. There is no correspondence department. 637007, Pavlodar, Ulitsa Dmitriyeva 2.

Penza Railway Transportation Tekhnikum--locomotive management; railroad car management; automation of loading operations; construction and operation of lines and track; electric traction in railway transportation. The correspondence department offers the same areas of specialization as the daytime department, in addition to power supply and power management in railway transportation; automation and remote control in railway transportation; and operation of railways. 440604, Penza, Volodarskogo 98/5.

Perm Railway Transportation Tekhnikum--automation and remote control in railway transportation; construction and operation of lines and track; locomotive management; operation of railways. The correspondence department offers the same areas of specialization as the daytime department. 614600, Perm, Ulitsa Gor'kogo 2.

Petrozavodsk Railway Transportation Tekhnikum--automation and remote control in railway transportation; construction and operation of lines and track; locomotive management; operation of railways. The correspondence department offers the same areas of specialization as the daytime department, in addition to railroad car management; electric traction in railway transportation; and power supply and power management in railway transportation. 185680, Petrozavodsk, Ulitsa Anokhina 16.

Petropavlovsk Railway Transportation Tekhnikum--construction and operation of lines and track; automation of loading operations; operation of railways; railroad car management. The correspondence department offers the same areas of specialization as the daytime department. 642001, North Kazakhstan Oblast, Petropavlovsk, Ulitsa Medvedeva 1.

Riga Railway Transportation Tekhnikum--operation of railways; automation and remote control in railway transportation. There is no correspondence department. 226004, Riga, Ulitsa Indriku 8.

Roslavl Railway Transportation Tekhnikum--railroad car management; automation of loading operations. There is no correspondence department. 216500, Smolensk Oblast, Roslavl, Ulitsa K. Zaslonoova 6.

Rostov Railway Transportation Tekhnikum imeni George Georgiu-Dezh--construction and operation of lines and track; electric traction in railway transportation; power supply and power management in railway transportation. The correspondence department offers the same areas of specialization as the daytime department, in addition to accounting. 344007, Rostov-on-Don, Ulitsa M. Gor'kogo 113.



Rtishchevo Railway Transportation Tekhnikum--construction and operation of lines and track; operation of railways. There is no correspondence department. 412010, Saratov Oblast, Rtishchevo, Ulitsa Zheleznodorozhnika 44.

Ryazan Railway Transportation Tekhnikum imeni B. N. Vedenisova--industrial and civil construction; construction and operation of lines and track; electric traction in railway transportation. There is no correspondence department. 390013, Ryazan, Ulitsa Kalyayeva 44/3.

Samarkand Railway Transportation Tekhnikum--construction and operation of lines and track; operation of railways; locomotive management; accounting; industrial and civil construction. The correspondence department offers the same areas of specialization as the daytime department, except for locomotive management. 730002, Samarkand, Ulitsa Figel'skogo 16.

Saratov Railway Transportation Tekhnikum--radio communications and broadcasting; locomotive management; operation of railways; automation and remote control in railway transportation; wire communications in transportation. The correspondence department offers the same areas of specialization as the daytime department, in addition to accounting. 410004, Saratov, International'nyy Prospekt 1-a.

Sverdlovsk Railway Transportation Tekhnikum--power supply and power management in railway transportation; electric traction in railway transportation; operation of railways; radio communications and broadcasting. The correspondence department offers the same areas of specialization as the daytime department, in addition to locomotive management; automation of loading operations; and accounting. 620027, Sverdlovsk, Ulitsa Bykova 34-a.

Svobodnyy Railway Transportation Tekhnikum--locomotive management; railroad car management; automation of loading operations; operation of railways. The correspondence department offers the same areas of specialization as the daytime department, except for automation of loading operations. 676400, Amur Oblast, Svobodnyy, Ulitsa 40 Let Oktyabrya 80.

Simferopol Railway Transportation Tekhnikum--industrial and civil construction; track and construction machinery; construction and operation of lines and track. The correspondence department offers the same areas of specialization as the daytime department, except for track and construction machinery. 333000, Simferopol, Ulitsa Rozy Lyuksenburg 15.

Slavyansk Railway Transportation Tekhnikum--railroad car management; electric traction in railway transportation; power supply and power management in railway transportation. The correspondence department offers the same areas of specialization as the daytime department. 343209, Donetsk Oblast, Slavyansk, Ulitsa Gagarina 7.

Tayga Railway Transportation Tekhnikum--locomotive management; power supply and power management in railway transportation; isothermal rolling stock and refrigeration; electric traction in railway transportation; railroad car management. The correspondence department offers the same areas of



specialization as the daytime department, except for isothermal rolling stock and refrigeration. 652080, Kemerovo Oblast, Tayga, Ulitsa Molodezhnaya 13.

Tambov Railway Transportation Tekhnikum--railroad car management; merchandising, material and technical supply, and sales; wire communications in transportation. The correspondence department offers the same areas of specialization as the daytime department, in addition to locomotive management. 392001, Tambov, Ulitsa Lesnaya 25.

Tallinn Railway Transportation Tekhnikum--isothermal rolling stock and refrigeration; operation of railways. The correspondence department offers the same areas of specialization as the daytime department. 200017, Tallinn, Ulitsa Marati 4.

Tashkent Railway Transportation Tekhnikum--automation and remote control in railway transportation; wire communications in transportation; electric traction in railway transportation; isothermal rolling stock and refrigeration; locomotive management; radio communications and broadcasting; power supply and power management in railway transportation. The correspondence department offers the same areas of specialization as the daytime department, except for electric traction in railway transportation; and in addition to accounting. 700167, Tashkent, Ulitsa 2-ya Sarykul'skaya 3.

Tbilisi Railway Transportation Tekhnikum imeni Sh. Z. Eliava--automation and remote control in railway transportation; construction and operation of lines and track; power supply and power management in railway transportation; operation of railways; electric traction in railway transportation. The correspondence department offers the same areas of specialization as the daytime department, in addition to railroad car management and accounting. 380002, Tbilisi, Prospekt Plekhanova 138.

Tikhoretsk Railway Transportation Tekhnikum--railroad car management; isothermal rolling stock and refrigeration; track and construction machinery. The correspondence department offers the same areas of specialization as the daytime department. 352100, Krasnodar Kray, Tikhoretsk, Ulitsa Krasnoarmeyskaya 57.

Tomsk Railway Transportation Tekhnikum--automation and remote control in railway transportation; operation of railways; radio communications and broadcasting; wire communications in transportation; construction and operation of lines and track. The correspondence department offers the same areas of specialization as the daytime department, except for radio communications and broadcasting; and in addition to industrial and civil construction; accounting; and automation of accounting and computing operations. 634006, Tomsk, Pereyezdnyy Prospekt 1.

Ukhta Railway Transportation Tekhnikum--operation of railways; automation and remote control in railway transportation; industrial and civil construction; construction and operation of lines and track. The correspondence department offers the same areas of specialization as the daytime department, except for industrial and civil construction; and in addition to locomotive management;

railroad car management; and accounting. 169400, Komi ASSR, Ukhta, Ulitsa Mira 11.

Uzlovaya Railway Transportation Tekhnikum--operation of railways; automation of loading operations. There is no correspondence department. 301650, Tula Oblast, Uzlovaya, Ulitsa Karla Marksa 8.

Ulan-Ude Railway Transportation Tekhnikum--railroad car management; industrial and civil construction; bridges and other man-made structures; electric traction in railway transportation; automation and remote control in railway transportation; power supply and power management in railway transportation. The correspondence department offers the same areas of specialization as the daytime department, except for bridges and other man-made structures. 670002, Ulan-Ude, Prospekt 50-letiya Oktyabrya 58.

Ufa Railway Transportation Tekhnikum--construction and operation of lines and track; operation of railways. The correspondence department offers the same areas of specialization as the daytime department. 450011, Ufa, Ulitsa Vokzal'naya 3.

Ussuriysk Railway Transportation Tekhnikum--industrial and civil construction; construction and operation of lines and track; railroad car management; isothermal rolling stock and refrigeration. The correspondence department offers the same areas of specialization as the daytime department. 692522, Maritime Kray, Ussuriysk, Vokzal'naya Ploshchad' 3.

Khabarovsk Railway Transportation Tekhnikum--automation and remote control in railway transportation; radio communications and broadcasting; wire communications in transportation; operation of railways; power supply and power management in railway transportation; locomotive management; electric traction in railway transportation. The correspondence department offers the same areas of specialization as the daytime department, except for wire communications in railway transportation. 680037, Khabarovsk, Ulitsa Karla Marksa 53.

Khavast Railway Transportation Tekhnikum--locomotive management; operation of railways; construction and operation of lines and track. There is no correspondence department. 708200, Uzbek SSR, Syr-Darya Oblast, Khavast, Khamza Mountains, Ulitsa Khamzy.

Kharkov Railway Transportation Tekhnikum--operation of railways; accounting; automation and remote control in railway transportation; power supply and power management in railway transportation. The correspondence department offers the same areas of specialization as the daytime department, in addition to electric traction in railway transportation. 310010, Kharkov, Ulitsa 1-y Konnoy Armii 77.

Tselinograd Railway Transportation Tekhnikum--track and construction machinery; construction and operation of lines and track; electric traction in railway transportation; operation of railways; automation of loading operations. The correspondence department offers the same areas of specialization as the daytime department, in addition to locomotive management and power supply and

power management in railway transportation. 473000, Teelinograd, Ulitsa Karla Marksa 97.

Chelyabinsk Railway Transportation Tekhnikum--automation and remote control in railway transportation; railroad car management; power supply and power management in railway transportation; operation of railways; isothermal rolling stock and refrigeration. The correspondence department offers the same areas of specialization as the daytime department. 454111, Chelyabinsk, Ulitsa Tavilinga 56.

Chernovtsy Railway Transportation Tekhnikum--isothermal rolling stock and refrigeration; construction and operation of lines and track; railroad car management. The correspondence department offers the same areas of specialization as the daytime department. 274006, Chernovtsy, Ulitsa 28 Iyunya 73.

Chita Railway Transportation Tekhnikum--accounting; construction and operation of lines and track; operation of railways; electric traction in railway transportation; power supply and power management in railway transportation; automation and remote control in railway transportation. The correspondence department offers the same areas of specialization as the daytime department, in addition to locomotive management and railroad car management. 672076, Chita, Ulitsa Butina 6.

Yaroslavl Railway Transportation Tekhnikum--wire communications in transportation; automation and remote control in railway transportation; operation of railways. The correspondence department offers the same areas of specialization as the daytime department, in addition to construction and operation of lines and track, locomotive management; and accounting. 160023, Yaroslavl, Moskovskiy Prospekt 151.

All-Union Railway Transportation Correspondence Tekhnikum--industrial and civil construction; automation and remote control in railway transportation; accounting; railroad car management; planning of railway transportation; wire communications in transportation; radio communications and broadcasting; construction and operation of lines and track; locomotive management; operation of railways; power supply and power management in railway transportation; electric traction in railway transportation; isothermal rolling stock and refrigeration; track and construction machinery; automation of accounting and computing operations. 127412, Moscow, Ulitsa Taldomskaya 5.

The tekhnikum has education consultation centers in Kaluga, Ryazan, Bryansk, Tula, Novomoskovsk, and Smolensk.

#### Conditions for Admission

Secondary specialized educational institutions accept USSR citizens of both sexes, up to the age of 30, for daytime instruction. There are no age restrictions for evening and correspondence study. Applicants must have completed an 8-year school or a secondary school, and must pass the entrance examinations. Evening and correspondence tekhnikums (and branches and departments) only accept individuals working in sectors of the national

economy, as well as in organs of state administration, party, trade union, and Komsomol organizations and institutions.

Individuals who have completed 8-year or 7-year general education schools (before the schools were turned into 8-year schools), as well as those who did not complete secondary school, are admitted to groups that are based on an 8-year school background.

Individuals who have completed secondary school are admitted to groups that require a secondary school background.

Applications for admission should be sent to the tekhnikum's director and should indicate the area of specialization desired.

The following documents should be sent with the application:

- a) original documents indicating completion of 8-year or secondary education;
- b) medical certificate (form No 286);
- c) 4 photographs (taken without headwear, 3x4 cm).

Anyone applying for evening and correspondence study, or for daytime instruction, who has practical work experience of at least two years should include an excerpt from his labor book that has been verified by the director of his enterprise or institution. Individuals who have been sent to study by an enterprise, institution, or organization, should present the proper forms indicating their study orders.

Applications are accepted by the tekhnikums according to the following schedules:

For daytime instruction--between 1 June and 31 July for individuals with an 8-year school background; between 1 June and 15 August for individuals with a secondary school background;

For evening instruction--between 3 May and 6 August for individuals with an 8-year school background; between 15 June and 15 November for individuals with a secondary school background;

For correspondence study--between 3 May and 10 August.

The entrance examinations are given during the following time periods:

For daytime instruction--between 1 and 20 August for individuals with an 8-year school background; between 1 and 21 August for individuals with a secondary school background;

For evening instruction--between 1 and 10 June, 1 and 10 July, and 7 and 14 August for individuals with an 8-year school background; between 1 July and 20 November for individuals with a secondary school background;

For correspondence study--between 10 and 20 June; 10 and 20 July; and 10 and 20 August.



Students are admitted to the tekhnikums during the following periods:

For daytime instruction--between 21 and 24 August;

For evening instruction--between 15 and 18 August for those with an 8-year school background; between 21 and 24 November for those with a secondary school background;

For correspondence study--between 21 and 30 August.

Tekhnikum applicants must take entrance examinations according to the programs established by the USSR Ministry of Higher and Secondary Specialized Education. Those with an 8-year school background must take examinations in Russian language (dictation) and mathematics (oral). Those with a secondary school background must take examinations in Russian language and literature (composition) and mathematics (oral).

In accordance with admission regulations, individuals who have graduated from 8-year or secondary schools or secondary vocational-technical schools with grades of "4" or "5", may be admitted without entrance examinations 4 days before the end of the application periods for daytime, evening, and correspondence study, on the basis of the best academic records. (This is true for all areas of specialization in railway transportation except for isothermal rolling stock and refrigeration; radio communications and broadcasting; wire communications in transportation; automation of accounting and computing operations; programming for high-speed computers; merchandising, material and technical supply, and sales; and operation of electronic automated systems and machinery in railway transportation.) This special admissions practice is valid only under the condition that the number of applicants per planned place in a given area of specialization at the tekhnikum did not exceed 1.4 in the previous year.

An experimental admissions procedure is being implemented for the construction and operation of lines and track specialization at all railway transportation tekhnikums, other than those in Pavlodar, Petrozavodsk, Simferopol, and Chita; as well as for the operation of railways specialization at all tekhnikums other than those in Aktyubinsk, Alma-Ata, Ashkhabad, Guryev, Dnepropetrovsk, Samarkand, Sverdlovsk, Svobodnyy, Khavast, Tselinograd, and Chita. This procedure allows admission without entrance examinations for daytime, evening, and correspondence study; competition is based on graduation certificates from 8-year and 10-year general education schools.

In addition to the specializations named above, this experimental procedure is also being implemented at the Krasnoyarsk and Tayga railway transportation tekhnikums for the railroad car management specialization.



Detailed information concerning admission can be obtained from the tekhnikums.

All students in the railway transportation tekhnikums' daytime departments are given a free ticket once a year for rail travel anywhere in the USSR.

Daytime students also receive free uniforms.

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CSO: 1829/337

## MARITIME AND RIVER FLEETS

### MARITIME FLEET MINISTRY VUZES, SCHOOLS

Moscow VODNYI TRANSPORT in Russian 19 May, 21 Jun 83

[21 Jun 83, p 4]

[Excerpts] USSR Maritime Fleet Ministry--VUZes

#### Daytime Study

Odessa Maritime Fleet Engineering Institute; offers first year daytime, correspondence, and evening study. The institute trains engineers in the following areas:

Water Transport Operation (specialization: maritime transport management)--management of technological processes in maritime shipping and freight transfer; control of production subdivisions in steamship lines and ports; organization of commercial operations, freight and foreign trade transport operations; coordination of operations of the fleet and ports with those of associated enterprises; substantiation, planning, and utilization of automated management systems, as well as research in the area of improving efficiency of maritime transport operation. (No correspondence or evening students are accepted in Baku.)

Economics and Organization of Water Transport--organizational, management, analytical, and research work on the economics and planning of production; analysis of economic activities of enterprises, organization of labor and wages in the water transport system.

Finances and Credit--planning, economics, organizational, management, analytical, and research activity in the area of finances, credit accounts, and currency operations in the water transport system.

Mechanization of Port Transfer operations--operational, production, technical, organizational, management, planning, and research work in the area of mechanized port operations; planning and technical operation of materials handling machinery and equipment.

Ship Machinery and Equipment--planning of ship mechanical equipment, machinery and systems; organization of management and development of repair processes for ships' power plants; supervision of the technical condition of ships' power

plants; scientific and technical research on ship's machinery, instruments, and systems.

Hydraulic Engineering Construction of Waterways and Ports (includes license for general construction work)--planning, construction, and technical operation of maritime ports, waterways, port hydraulic engineering structures, including general construction work on industrial and civil construction projects (no correspondence students accepted; evening study offered only in Odessa).

Shipbuilding and Ship Repair--planning, building, and repair of maritime vessels; technical supervision of building, repair, and operation of the fleet (no correspondence students accepted; evening study offered only at evening-correspondence faculty in Baku).

Operation of Ships' Power Plants--technical operation of power equipment on maritime vessels (only correspondence and evening study are offered in Baku and Zhdanov).

Navigation on Seaways--operation and navigation of maritime transport vessels (only correspondence and evening study are offered in Baku and Zhdanov).

Operation of Ships' Electrical Equipment--only correspondence and evening study available in Baku.

Graduates of the institute are sent to work in steamship navigation, ports, ship repair plants, in the inspection of the USSR Register, design bureaus, scientific and planning organizations, and computer centers of Maritime Fleet Ministry enterprises.

The institute has evening and correspondence faculties in Baku and Zhdanov.

All those applying for first-year study in all areas other than "Finances and Credit" must take entrance examinations in the following disciplines: mathematics (oral and written); physics (oral); Russian language and literature or Ukrainian language and literature (composition).

Those applying for the "Finances and Credit" specialization must take entrance examinations in mathematics (oral); the history of the USSR (oral); geography (oral); Russian language and literature or Ukrainian language and literature (composition).

Individuals who have received medals or those who have completed specialized, secondary vocational-technical schools (those with secondary education) with diplomas of excellence, need to take an oral entrance examination in only one discipline--mathematics. When applicants receive a grade of "five" on this examination, they are not required to take any more entrance examinations.

School graduates enrolling in daytime study in the areas "Shipbuilding and Ship Repair"; "Ship Machinery and Equipment"; "Hydraulic Engineering Construction of Waterways and Ports"; and "Mechanization of Port Transfer Operations", who have completed secondary educational institutions with grades of "excellent" and "good" (and no "satisfactory" grades) and who have a grade point average of no

less than 4.5 (with no rounding-off of the grades), are required to take two entrance examinations in mathematics, one oral and one written. When school graduates pass these examinations with scores no lower than 9 points, they are admitted to daytime study in the areas indicated after individuals (with a secondary education) who have received medals and grades of "excellent" from secondary specialized educational institutions, secondary vocational-technical schools and technical schools.

Military servicemen who have been released from active duty and sent to VUZes to study "Shipbuilding and Ship Repair"; "Ship Machinery and Equipment"; "Finances and Credit"; "Navigation on Seaways"; and "Operation of Ships' Power Plants", at the recommendation of their military units, are admitted outside the regular competition when they receive positive scores on the entrance examinations.

Applications for admission to daytime faculties are accepted from 20 June through 31 July; entrance examinations are held from 1 to 20 August; enrollment is held from 21 to 25 August. The correspondence faculty accepts applications up through 31 August; entrance examinations are held in two sessions: in Odessa from 25 August through 10 September and from 1 through 10 September; in Baku and Zhdanov, they are held from 16 through 30 August and from 1 through 10 September. For sailing personnel seeking enrollment only in the evening and correspondence faculties in the areas "Navigation on Seaways" (Baku and Zhdanov); "Operation of Ships' Power Plants" (Baku and Zhdanov); and "Operation of Ships' Electrical Equipment" (Baku), applications are accepted from 1 October through 15 December; entrance examinations are held from 1 December through 31 January (in two sessions: from 1 through 15 December and from 15 through 31 January); enrollment is held from 1 through 15 February.

Applications for evening study are accepted from 20 June through 31 August; entrance examinations are held from 16 August through 10 September (two sessions: in Odessa from 25 August through 10 September and in Baku and Zhdanov from 16 through 30 August and from 1 through 10 September). Enrollment is held from 15 through 20 September.

Students are provided with stipends in accordance with the existing provision.

Questions concerning admission should be directed to the following addresses:

270020, Odessa, Ulitsa Mechnikova 34, Admissions Committee; tel. 23-72-20; 20-98-00.

341030, Zhdanov, Prospekt Stroiteley 15; tel. 5-00-21; 5-11-44.

370028, Baku, 4th Chernogorodskaya 8; tel. 93-68-08.

[19 May 83 p 4]

[Excerpt] Odessa Higher Maritime Engineering School imeni Leninist Komsomol (270029, Odessa, Ulitsa Didrikhsena 8); offers study in the following faculties:

Navigation (specializations: navigation on seaways; navigation on seaways and inland waterways);

Ship Mechanics (specialization: operation of ships' power plants);

Electrical Engineering (specialization: operation of ships' electrical equipment);

Automation (specialization: automation of heat and power processes).

Leningrad Higher Maritime Engineering School imeni Admiral S. O. Makarov, Order of the October Revolution (199111, Leningrad, Vasil'yevskiy Ostrov, Kosaya Liniya 15); offers study in the following faculties:

Navigation (specialization: navigation on seaways);

Management of Sea Transport (specializations: operation of water transport; management of sea transport);

Ship Mechanics (specializations: operation of ships' power plants; operation of ships' nuclear power plants);

Electrical Engineering (specializations: operation of ships' electrical equipment; operation of electrical equipment, automation and control systems on ships with nuclear power plants);

Radio Engineering (specialization: radio engineering);

Arctic (specialization: hydrography, oceanography, meteorology).

Novorossiysk Higher Maritime Engineering School (353913, Novorossiysk, Prospekt Lenina 93) offers study in the following faculties:

Navigation (specialization: navigation on seaways);

Ship Mechanics (specialization: operation of ships' power plants);

Radio Engineering (specialization: radio engineering).

Far East Higher Maritime Engineering School imeni Admiral G. I. Nevel'skiy (690059, Vladivostok, Ulitsa Verkhne-Portovaya 50) offers study in the following faculties:

Navigation (specialization: navigation on seaways);

Ship Mechanics (specialization: operation of ships' power plants, ship machinery and equipment);

Electrical Engineering (specialization: operation of ships' electrical equipment);



Management of Maritime Transport (specializations: operation of water transport; management of maritime transport).

Higher maritime engineering schools accept male applicants up to 35 years of age, with complete secondary education, who are physically capable of working on maritime fleet vessels.

Applications for admission should be sent to the school's director, together with an original document attesting to the applicant's education; a reference for entering a VUZ; a questionnaire which can be obtained upon request from the school; a medical certificate (No 286); 4 photographs (3x4 cm, taken without headwear); and an excerpt from the applicant's work record, verified by the administration of the enterprise or institution (for employed applicants).

Applications are accepted from 20 June through 31 July. Classes begin on 1 September.

The higher maritime engineering schools of the Maritime Fleet Ministry train specialists for work on vessels in the transport, port, service-auxiliary, and engineering fleets, and in shore enterprises and organizations of the Ministry of the Maritime Fleet and other departments.

Students enrolled in the schools receive state support.

Individuals applying for entrance into schools of the Ministry of the Maritime Fleet take entrance examinations from 1 through 20 August in Russian language and literature (written), mathematics (written and oral), and physics (oral).

All questions concerning entrance should be sent directly to the admissions committee of the educational institution.

#### Secondary Educational Institutions

The following institutions offer programs for students with a background of an 8-year general education school:

Batumi Nautical School imeni Marshal of the Engineering Corps A. V. Gelovani (384500, Batumi, Ulitsa Shota Rustaveli 53); offers study in the following areas: maritime navigation; operation of ships' automated systems; operation of ships' power plants.

Tallinn Nautical School (200001, Tallinn, Bul'var Estonii 10); offers study in the following areas: maritime navigation; operation of ships' automated systems; operation of ships' power plants.

Kherson Nautical School imeni Lieutenant Shmidt (325014, Kherson, Ulitsa Ushakova 14); offers study in the following areas: maritime navigation; radio communications and electronic radio navigation in the maritime and fishing industry fleets; operation of ships' automated systems; operation of ships' electrical equipment.

Riga Nautical School (226010, Riga, Bul'var Kronval'da 6); offers study in the following areas: operation of ships' power plants; operation of ships' automated systems.

Chardzhou River Tekhnikum (746100, Turkmen SSR, Chardzhou, Ulitsa Karla Marksa 21), offers study in the following area: navigation on inland waterways.

The following institutions offer programs for students with a secondary school background:

Arkhangelsk Nautical School imeni Captain V. I. Voronin, Order of the Red Banner of Labor (163061, Arkhangelsk, Naberezhnaya imeni Lenina 111); offers study in the following areas: maritime navigation (specialization: short-distance navigation on ships of the port and service-auxiliary fleets); operation of ships' automated systems; mechanization of freight transport operations; maritime navigation.

Astrakhan Nautical School (414020, Astrakhan, Ulitsa B. Khmel'nitskogo 3); offers study in the following areas: maritime navigation; maritime navigation (specialization: short-distance navigation on ships of the port and service-auxiliary fleets); operation of ships' power plants; ship repair; operation of ships' automated systems.

Baku Nautical School imeni Kafur Mamedov, Order of the Friendship among Peoples (370000, Baku, Ulitsa Shaumyana 18); offers study in the following areas: maritime navigation; operation of ships' power plants; operation of ships' electrical equipment.

Vladivostok Nautical School (690959, Vladivostok, Ulitsa Stanyukovicha 64); offers study in the following areas: maritime navigation; operation of ships' automated systems; radio communications and electronic radio navigation in the maritime and fishing industry fleets; mechanization of freight transport operations.

Leningrad Nautical School (193148, Leningrad, B. Smolenskiy Prospekt 36); offers study in the following areas: maritime navigation; operation of water transport; radio communications and electronic radio navigation in the maritime and fishing industry fleets; administrative and operating services on ships.

Leningrad Arctic School (198905, Leningrad, Strel'na, Berezovaya Alleya 3); offers study in the following areas: operation of ships' power plants; mechanization of freight transport operations; operation of ships' electrical equipment; oceanography; hydrometeorological radar devices; operation of ships' automated systems.

Odessa Nautical School (270004, Odessa, Ulitsa Sverdlova 8); offers study in the following areas: maritime navigation (specialization: short-distance navigation of ships in the port and service-auxiliary fleets); mechanization of freight transport operations; operation of water transport; operation of ships' automated systems; ship repair.

Rostov Nautical School imeni G. Ya. Sedov, Order of the Medal of Honor (344005, Rostov-on-Don, Ulitsa Sedova 8); offers study in the following areas: maritime navigation; operation of ships' power plants; operation of ships' automated systems; dredging operations and navigation of the engineering fleet.

Sakhalin Nautical School (694620, Sakhalin Oblast, Khoms, Ulitsa Admirala Makarova 1); offers study in the following areas: maritime navigation; operation of ships' automated systems; maritime navigation (specialization: short-distance navigation in the port and service-auxiliary fleets); mechanization of freight transport operations; operation of ships' power plants; operation of water transport.

Nautical and arctic schools train specialists for work on ships of the transport, port, service-auxiliary, and engineering fleets; and in shore enterprises and organizations of the Ministry of the Maritime Fleet and other departments.

The schools accept male applicants up to 30 years of age, with the appropriate education, who have passed the entrance examinations and are physically capable of working on ships in the maritime fleet.

Applications for admission should be sent to the school's director, together with an original document attesting to the applicant's education; references; a medical certificate (form No 286); an excerpt from the applicant's work record, verified by the administration of the enterprise or institution (for employed applicants); 4 photographs (3x4 cm, taken without headwear); and a certificate from the psychoneurological clinic in the applicant's place of residence.

Applicants for admission to schools in the group for those with an 8-year school background are required to take entrance examinations in Russian language (dictation) and mathematics (oral). Those applying for admission to schools for students with a secondary school background are required to take entrance examinations in Russian language and literature (composition) and mathematics (oral).

Graduates of 8-year schools who received certificates of honor and those who received gold or silver medals upon completion of secondary school are not required to take the entrance examinations.

Graduates of secondary schools who received certificates of honor "for special success in individual subjects" are not required to take entrance examinations in the subjects for which they received the certificates.

Applications for admission to the schools for students with an 8-year school background are accepted from 1 June through 31 July; entrance examinations are given from 1 through 20 August. The group of schools with programs based on secondary school accept applications from 1 June through 14 August; entrance examinations are held from 1 through 21 August. Classes begin on 1 September.

Applicants should go to the schools to take the entrance examinations only after they have been notified to do so. A dormitory is provided for those who come to take the entrance examinations as indicated.

Students enrolled in the schools receive full state support.

Admission to the Chardzhou River Tekhnikum is carried out in accordance with the Rules for Admission to Secondary Specialized Educational Institutions of the USSR.

All questions concerning admission should be directed to the educational institution.

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CSO: 1829/338

## MARITIME AND RIVER FLEETS

### RSFSR RIVER FLEET MINISTRY VUZES, SCHOOLS

Moscow VODNYI TRANSPORT in Russian 19 May 83 p 4

[Article: "RSFSR River Fleet Ministry: Institutions of Higher Learning; Secondary Learning Institutions" (listing for shipping schools and courses offered)]

Moscow Water Transport Engineering Institute (115407, Moscow, Ulitsa Rechnikov 16; tel. 117-85-36; can be reached by taking metro to "Kolomenskaya" station, then tram to last stop, "Sudostroitel'nyy zavod"); first year courses are offered in the daytime department in the following professions:

Mechanization of port transfer operations--mechanical engineers are trained in over-all mechanization and automation of port production processes, technical operation and design of port equipment, management and organization of port operations;

Ship machinery and mechanical equipment--general mechanical engineers are trained in the planning and operation of ship's power equipment (internal combustion engines) and units, as well as in the technology of shipbuilding and ship repair;

Operation of water transport--engineers are trained in the management of transport processes; organization of the operation of commercial services for transport enterprises; and development and operation of automated management systems;

Economics and organization of water transport--general engineer-economists are trained in the planning and organization of labor and production at transport and industrial enterprises and computer centers.

All students at the institute are provided with uniforms free of charge.

Starting 1 July the institute will offer monthly courses to prepare for the entrance examinations; the courses will be taught by experienced instructors from the institute.

Applications for these courses will be accepted starting 1 June.

The institute does not have a dormitory.



Leningrad Water Transport Institute, Order of the Red Banner of Labor (198035, Leningrad, Dvinskaya Ulitsa 5/7; tel. 259-58-45, 251-69-37; can be reached by taking trams No 14, 28, 42, 50, 41; or buses No 22, 49, 66 to the main gates of the commercial seaport); the following faculties offer first year instruction in the daytime department:

Waterways and Ports--offers training in "hydraulic engineering construction of waterways and ports" with a license for general construction and underwater technical operations;

Engineering and Economics--offers training in the "economics and organization of water transport";

Ship Mechanics--offers training in "ship machinery and mechanical equipment" and "shipbuilding and ship repair";

Port Materials Handling Equipment--offers training in the "mechanization of port transfer operations";

Electrical Engineering--offers training in "electric drive and automation of industrial installations";

Navigation--offers training in "seaway navigation".

Between 1 and 30 June the institute is organizing daily classes and tutorials for those who have applied for entrance into the institute; subjects included on the examinations will be covered: mathematics, physics, Russian language and literature.

There is a dormitory available for out-of-town students.

In the following faculties people discharged from the Soviet Army and Navy are accepted outside of regular competition on recommendation from their military units: Ship Mechanics (for the ship machinery and equipment; and shipbuilding and ship repair trades); Navigation (seaway navigation); and electrical engineering (electric drive and automation of industrial installations).

Gorkiy Water Transport Engineering Institute, Order of the Red Banner of Labor (603005), Gorkiy, Ulitsa Minina, 7; tel. 36-62-56); the daytime department offers training in the following faculties and professions:

Operations Faculty--vocational training is in operation of water transport; the specialization is automation of water transport management; the training period is 5 years;

Navigation Faculty--vocational training is in inland waterway navigation, with a training period lasting 4 years, 7 months; and in seaway navigation, with a training period of 5 years, 6 months;

Materials Handling Equipment Faculty--vocational training is in mechanization of port transfer operations; training period is 5 years;

Mechanics Faculty--vocational training is in ship machinery and mechanics; training period is 5 years;

Shipbuilding Faculty--vocational training is in shipbuilding and ship repair; training period is 5 years;

Financial and Economics Faculty--training is in finances and credit; training period is 4 years;

Electrical Machinery Faculty--vocational training is in electric drive and automation of industrial installations; training period is 5 years;

Waterways and Hydraulic Engineering Structures--training period is 5 years.

The Navigation Faculty accepts only male applicants.

Those enrolling in the institute are provided with uniforms free of charge.

People who have won gold (or silver) medals upon completion of school, or who have graduated from a secondary specialized education institution or secondary vocational-technical school with a rating of "excellent", take an oral mathematics examination.

All out-of-town students are provided with dormitory housing.

Novosibirsk Water Transport Engineering Institute (630099, Novosibirsk, Ulitsa Shchetinkina 33, room 214; tel. 22-39-72, 22-10-05); training is offered in the following faculties and professions:

Navigation and Water Transport Operation Faculty--engineers are trained in two professions: "navigation on inland waterways with a license for sea navigation" (only males are accepted); and "operation of water transport".

Engineer-navigators are trained in the "navigation on inland waterways" specialization for river and lake navigation, with a license for sea navigation.

Engineer-navigators work as navigators and assistants to the mechanical engineer; as captains and captain-mechanical engineers on large passenger vessels, high-speed vessels of the "Raketa" and "Meteor" type, and on large-capacity freighters; as captain-instructors, captain-inspectors, and as instructors in special disciplines in river schools, tekhnikums, and institutes.

Engineers for managing fleet and port operations are trained in the "water transport operation" specialization.

People who graduate from the institute in this specialization work in management positions in steamship administrations, ports, and operations sections and are involved in the organization of freight and passenger transport, and in the organization and mechanization of freight operations;

they also work as engineers in scientific research, planning, and educational institutes.

**Ship Mechanics Faculty**--Engineers are trained in two specializations: "ship machinery and equipment" and "shipbuilding and ship repair".

In the first specialization, general ship mechanical engineers are trained in the design, construction, operation, and repair of various types of ship machinery and equipment (internal combustion engines, turbines, compressors, pumps, cooling units, heat-exchange apparatus, etc.) Ship mechanical engineers work in design bureaus and planning institutes, at shipbuilding and ship repair and machine building plants; as group mechanical engineers and mechanical engineers for large vessels, and in heat engineering units.

The "ship repair and shipbuilding" specialization trains shipbuilding engineers in the planning and construction of various types of river and sea vessels, including new types of vessels such as hydrofoil boats, hovercraft, hydroplaning catamarans, and so on.

Upon completion of their work at the institute, graduates in this specialization work at shipbuilding plants, dockyards, and design bureaus as process engineers and designers, and in inspection of the RSFSR River Register.

**Waterways and Ports Faculty**--the specialization "hydraulic engineering construction of waterways and ports" trains general hydraulic engineers and gives them a license to carry out general construction and underwater engineering operations.

Those who graduate from this faculty work as engineers in the planning, construction, and reconstruction of waterways; underwater engineering and hydraulic engineering structures; ports; industrial and civil buildings.

**Electrical Engineering Faculty**--electrical engineers are trained in the specialization "electric drive and automation of industrial installations" to work on the planning, installation, repair, and operation of electrical equipment, transport and engineering vessels, enterprises, ports, and hydraulic engineering structures.

The institute's training period is 4 years, 10 months.

Applicants who have won medals for excellence upon graduation from secondary specialized education institutions take a written mathematics entrance examination.

Students who are in great need of housing are provided with dormitory accommodations; students receive uniforms free of charge.

Preparatory courses are offered at the institute from October through July.

For those wishing to enter the Novosibirsk Water Transport Engineering Institute, short-term preparatory courses are offered at the institute from 1 to 30 July.

There are certain professions that are experiencing an acute shortage of specialists; industrial, construction, and transport enterprises, and kolkhozes and sovkhozes in Siberia, the North and Far East, and the Non-chernozem region of the RSFSR have been granted the right to send young people to study these professions in VUZes, regardless of their length of service. The students are to receive stipends from the enterprises under the conditions established in the decree of the USSR Council of Ministers of 18 September 1959, No 1099. The specializations included here are:

0514--ship building and ship repair;  
1204--hydraulic engineering construction of waterways and ports;  
1607--navigation on inland waterways;  
1608--operation of water transport.

Military servicemen who have been released from active duty and have been sent on recommendation from their military units are admitted to the institute outside the normal entrance competition if they receive positive scores on their entrance examinations; this applies to the following specializations:

0514--shipbuilding and ship repair;  
0524--ship machinery and equipment;  
1607--navigation on inland waterways;  
0628--electric drive and automation of industrial installations.

The conditions for admission to the institutes are the same for all technical VUZes of the USSR.

Applications for the regular study faculties are accepted from 20 to 31 July. Entrance examinations in mathematics (written and oral), physics (oral), and Russian language and literature (composition) are given from 1 to 20 August.

The Financial and Economics Faculty of the Gorky Water Transport Engineering Institute requires entrance examinations in mathematics (oral), the history of the USSR, geography, and Russian language and literature (composition).

Classes begin on 1 September.

The program for the entrance examinations is the same for all technical VUZes.

The following documents should be sent to the rector: references from one's place of work or study; an original document certifying completion of secondary education; a medical certificate (form No 286); an excerpt from one's work record indicating length of service; 4 photographs, 3x4 cm (photographs should be taken without headwear).

Passports and military cards (for reservists), or registration cards (for draft-age individuals), are to be presented in person.

All questions concerning admission should be directed to the educational institution's admissions committee.



## Secondary Educational Institutions

Information given here is for first year courses in daytime departments. The institutions are based on an eight-year general education school.

Astrakhan River School (414000, Astrakhan, Ulitsa Rozy Lyuksemburg 6/14); maritime navigation (specialization: for mixed river and maritime navigation).

Blagoveshchensk River School (675050, Blagoveshchensk-on-Amur, Ulitsa Krasnoflotakaya 83/95); maritime navigation (specialization: for vessels engaged in mixed river and maritime navigation); service waterways, navigation on inland waterways.

Velikiy Ustyug River School (162340, Velikiy Ustyug, Vologda Oblast, Ploshchad' Kommuny 18); navigation on inland waterways; operation of water transport.

Gorkiy River School (605067, Gorkiy, Ulitsa Lyadova 6); radio communications and electronic navigation of the maritime and fishing industry fleet (specialization: for vessels engaged in mixed river and maritime navigation); service waterways.

Krasnoyarsk River School (660025, Krasnoyarsk, Yakornyy Pereulok 3); navigation on inland waterways.

Leningrad River School (198035, Leningrad, Mezhevoy Kanal 6); maritime navigation (specialization: for vessels engaged in mixed river and maritime navigation); hydraulic engineering construction.

Limensk River School (165400, Kotlas, Arkhangelsk Oblast, Ulitsa Sportivnaya 20) navigation on inland waterways; service waterways; operation of electrical equipment on river fleet vessels.

Novosibirsk River School (630099, Novosibirsk, Ulitsa Michurina 2), navigation on inland waterways; service waterways; operation of electrical equipment on river fleet vessels.

Omsk River School (644099, Omsk, Ulitsa Karoya Ligeti 4); navigation on inland waterways; service waterways; operation of electrical equipment on river fleet vessels.

Osetrovsk River School (665780, Ust-Kut, Irkutsk Oblast, Ulitsa Profsoyuznaya 8); navigation on inland waterways; mechanization of freight transport operations; operation of water transport.

Perm River School (614600, Perm, Ulitsa Gagarina 33); navigation on inland waterways; service waterways; operation of electrical equipment on river fleet vessels.

Pechora River School (169700, Komi ASSR, Pechora, Pechorakiy Pereulok 45); navigation on inland waterways.

Petrozavodsk River School (185630, Karelian ASSR, Petrozavodsk, Ulitsa Varlamova 34); maritime navigation (specialization: for vessels engaged in mixed river and maritime shipping).

Rostov River School (344022, Rostov-on-Don, Teatral'nyy Prospekt 46); maritime navigation (specialization: for vessels engaged in mixed river and maritime shipping).

Rybinsk River School (152904, Rybinsk, Ulitsa Gostinaya 3); operation of electrical equipment on river fleet vessels.

Ufa River School (450017, Bashkir ASSR, Ufa, Ulitsa Akhmetova 275); navigation on inland waterways; operation of electrical equipment on river fleet vessels.

Yakutsk River School (6/7020, Yakutsk ASSR, Yakutsk, Ulitsa Vodnikov 1), navigation on inland waterways; service waterways.

Kazan River Tekhnikum (420030, Tatar ASSR, Kazan, Ulitsa Nesmelova 7); navigation on inland waterways; mechanization of freight transport operations; operation of water transport.

Kuybyshev River Tekhnikum (443099, Kuybyshev, Ulitsa Molodogvardeyskaya 62/64); navigation on inland waterways; operation of electrical equipment on river fleet vessels; operation of ships' power plants.

Moscow River Tekhnikum (115407, Moscow, Ulitsa Sudostroitel'naya 46); operation of electrical equipment on river fleet vessels; navigation on inland waterways.

On the basis of a complete general secondary education school, the following institutions offer the specialization "navigation on inland waterways":

Astrakhan River School; Blagoveshchensk River School; Gorkiy River School; Leningrad River School; Petrozavodsk River School; Rostov River School; Rybinsk River School; Kazan River School; Kuybyshev River School; Moscow River School.

The following institutions offer the specialization "operation of electrical equipment on ships", for vessels engaged in mixed river and maritime shipping, based on a complete general secondary education school: Rybinsk River School; Leningrad River School;

The specialization "operation of electrical equipment on river fleet vessels", is offered by the following institutions based on a complete general secondary education school: Blagoveshchensk River School; Rostov River School.

The specialization "maritime navigation" (for vessels engaged in mixed river and maritime shipping), based on a complete general secondary education school, is offered by Leningrad River School.

Gorkiy River School offers the "service waterways" specialization on this basis.

The following institutions offer the specialization "operation of ships' power plants" (for vessels engaged in mixed river and sea shipping) on the basis of a complete general secondary education school: Astrakhan River School; Leningrad River School; Rostov River School; Blagoveshchensk River School; Petrozavodsk River School; and for river fleet vessels, the Gorkiy River School.

The "water transport operation" specialization is offered on this basis by the Kazan River Tekhnikum and the Osetrovsk River School.

Admission requirements state that applicants must be 15 to 30 years of age and physically capable of working on water transport; they must pass the entrance examinations; those applying for the program based on 8-grades must pass examinations in Russian language (dictation) and mathematics (oral); those applying for the program based on 10 grades must pass examinations in Russian language and literature (composition) and mathematics (oral).

Applications for admission should be sent to the director of the school or tekhnikum, using a standardized form. An original document certifying the applicant's education should be attached, along with a medical certificate (No 286), and 4 photographs, 3x4 cm. Individuals who have practical work experience of longer than 2 years should also provide documentation from their work record.

Individuals who have received certificates of honor or gold or silver medals upon completion of an 8-year school are admitted to the school or tekhnikum without having to take the entrance examinations. Individuals who have received certificates of honor "for success in the study of separate subjects" are not required to take entrance examinations in the subject for which they received the award.

Applications for the program based on an 8-year school are accepted from 1 June to 31 July; entrance examinations are held from 1 to 20 August. Applications for the program based on a 10-year school are accepted from 1 June to 14 August; entrance examinations are held from 1 to 21 August. Classes begin 1 September.

Applicants are to appear at the school or tekhnikum for the entrance examinations only after they have been summoned to do so. Those who are summoned to take the examinations are provided with dormitory housing.

The training period in the schools and tekhnikums is 3 years, 7 months if the program is based on an 8-year school; it is 2 years, 7 months if the program is based on a secondary school. The schools and tekhnikums train technicians for working in key positions on vessels in the transport and engineering fleet, and in engineering jobs at river transport shore enterprises.

Individuals enrolled in river schools are supported completely by the state. Those who are admitted to tekhnikums are provided with stipends universally, and out-of-town students are provided with dormitory housing.

The following river schools do not require entrance examinations of individuals who graduate from 8-year general education schools with grades of "4" and "5":

Yakutsk, Pechora, Osetrovsk, and Limensk River Schools, in the "navigation on inland waterways specialization";  
Yakutsk, Blagoveshchensk, and Limensk River Schools, in the "service waterways" specialization;  
Osetrovsk River School in the "mechanization of transport freight operations" specialization;  
Blagoveshchensk and Limensk River Schools in the "operation of electrical equipment on river fleet vessels" specialization;  
and the Blagoveshchensk River School in the "sea navigation" specialization;  
and on the 10-grade basis, in the "navigation on inland waterways" specialization.

9967

CSO: 1829/339



## FISHING FLEET DEVELOPMENT

### FISHING INDUSTRY MINISTRY VUZES, SCHOOLS

Moscow VODNYY TRANSPORT in Russian 19 May, 2 Jun 83

[2 Jun 83 p 4]

[Excerpts] USSR Ministry of the Fishing Industry

#### VUZes

Kaliningrad Higher Marine Engineering School; offers first-year study in the following areas:

Navigation on Seaways; training period is 5.5 years;  
Radio Engineering; training period is 5 years;  
Operation of Ships' Power Plants; training period is 5 years;  
Cooling and Compressor Machinery and Equipment; training period is 5 years.

The school trains engineering personnel for the fishing fleet in both daytime and correspondence study.

Applications for admission to the daytime department are accepted from 20 June through 31 July; and for admission to the correspondence department, from 20 July through 22 August.

Entrance examinations for the daytime department are held from 1 through 20 August; and for the correspondence department, from 23 August through 5 September.

Applicants are required to take entrance examinations in the following disciplines: mathematics (oral and written); physics (oral); Russian language and literature (composition).

The school's address is: 236029, Kaliningrad, Ulitsa Molodezhnaya 6; tel. 2-72-04.

Murmansk Higher Marine Engineering School imeni Leninist Komsomol; offers first-year daytime, correspondence, and evening study; there is also a preparatory department.

The school has four faculties in the daytime department. They are:

Navigation Faculty--trains engineers in "maritime navigation";  
Ship Mechanics Faculty--trains engineers in the "operation of ships' power plants";  
Electrical Engineering Faculty--trains engineers in the "operation of ships' electrical equipment";  
Technological Faculty--trains process engineers in the "technology of fish products".

The school's students are provided with dormitory housing, meals, and uniforms free of charge; they also receive stipends. Students in the preparatory department are provided with dormitory housing and receive a stipend of 56 rubles.

The daytime department faculties and the preparatory department accept male applicants with complete secondary education, who are physically fit for shipboard service.

The following vision requirements are also made of the applicants: for the navigation faculty applicants must have uncorrected visual acuity of no less than 0.8 in each eye, and no less than 1.0 with correction, and there must be normal color perception; for the ship mechanics and electrical engineering faculties uncorrected vision must be no lower than 0.6 in each eye, no lower than 1.0 with correction, and normal color perception is required. Applicants for the technological faculty must have uncorrected vision of no less than 0.4 in each eye, no less than 0.8 with correction, and normal color perception is required.

The navigation and ship mechanics faculties of the daytime department have announced admission of students into groups with reduced training periods. These groups will accept individuals up to 40 years of age who have completed secondary nautical schools or marine tekhnikums, and who have a worker's diploma and length of service of no less than 3 years in the given trade.

Industrial, construction, and transport enterprises and kolkhozes and sovkhoses in oblasts in Siberia, the North, the Far East, and the non-chernozem zones of the RSFSR, including Murmansk Oblast, have the right to send graduates of secondary general education schools, secondary specialized and secondary vocational-technical educational institutions to study at the Murmansk Higher Marine Engineering School imeni Leninist Komsomol, regardless of their length of service; these students receive stipends from the enterprises when they are studying certain trades which are suffering an acute shortage of specialists, such as "maritime navigation", and "operation of ships' power plants".

Entrance examinations in Russian language and literature (composition), mathematics (written and oral), and physics (oral) are required for the navigation, ship mechanics, and electrical engineering faculties; the technological faculty requires entrance examinations in chemistry (oral), physics (oral), mathematics (written), and Russian language and literature (composition).

Individuals with documentation of secondary education with a grade point average of no less than 4.5 (with no 3's), and who have passed the entrance

examinations in the specific disciplines with a score of at least 9 points, are not required to take the two remaining entrance examinations; those who get a score of "3" on the first examination must continue to take all the examinations.

Entrance examinations are given from 1 through 20 August; applicants must first pass a medical examination. Students are enrolled on 21 August.

The evening faculty trains engineers in "ships' power plants". This is provided for employees of shore enterprises.)

The correspondence faculty trains engineers in the following areas: "maritime navigation"; "operation of ships' electrical equipment"; "operation of ships' power plants"; and "technology of fish products".

The correspondence department accepts female applicants for study in the areas of "operation of ships' electrical equipment" and "technology of fish products" and "ships' power plants" (in the evening department). The training period for all areas of specialization is 5 years, 9 months.

Applications for daytime study, together with the necessary documents, are accepted from 20 June through 31 July.

Preparatory courses lasting one month are given starting on 1 July for students applying for daytime study.

Applications for correspondence study are accepted from 20 April through 25 August; applications from sailing personnel are accepted throughout the entire calendar year.

Entrance examinations for the correspondence and evening departments are held from 11 April through 10 September; the subjects covered are the same as those required for the daytime faculties. Enrollment is held between 11 and 20 September.

Individuals wishing to enter the school for study, with or without leave from work, should submit the following documents to the school's rector: an application; an original document attesting to the applicant's completion of secondary education; an autobiographical statement; a reference (from work or school); a medical certificate for people entering VUZes (form No 286), with the mandatory indication of vision, color perception, and hearing; 6 photographs (taken without headwear, 3x4 cm); and a copy of the applicant's labor book (for employed applicants).

The preparatory department (for daytime and correspondence study) accepts leading workers, kolkhoz workers, and individuals discharged from active duty in the USSR Armed Forces. Individuals can be sent to study by directors of industrial enterprises, communications and transport enterprises, construction projects, sovkhozes, and kolkhozes, and by commanders of military units. The worker should have worked continuously over the preceding year in his given position at the enterprise (or kolkhoz).

Documents are accepted by the preparatory department for daytime study from 1 October through 10 November; applications are accepted no later than 15 January of the following year from individuals discharged from active duty in the USSR Armed Forces and from fleet personnel. The training period is 8 months. Classes begin on 1 December. Students who have completed the preparatory department successfully are enrolled in the first-year daytime faculties in the appropriate area of specialization without any entrance examinations.

Documents are accepted by the preparatory department for correspondence study from 1 August through 10 September; applications are accepted from fleet personnel throughout the entire calendar year. Enrollment in the correspondence preparatory department is from 15 through 30 September. Classes begin on 1 October. The training period is 10 months.

The Murmansk Higher Marine Engineering School has evening and correspondence preparatory courses for which fees are charged. Applications accompanied by a receipt indicating fee payment are accepted from 1 August through 25 September for evening courses; and from 1 September through 25 October for correspondence courses.

Evening classes begin on 1 October; assignments and syllabi for correspondence courses are distributed starting on 1 November. Tuition for the evening courses is 38 rubles, and for the correspondence courses it is 25 rubles. Payments should be sent to the following address: Murmansk, Pervomayskoye ulitsennoye Gosbanka (First of May Department of the State Bank), account No 140004.

Application materials should be sent to the following address: 183056, Murmansk, Ulitsa Sportivnaya 13; Murmansk Higher Marine Engineering School; telephone inquiries can be made by calling the admissions committee at 6-61-31; and the preparatory department at 6-67-70 or 6-92-13.

#### Secondary Educational Institutions

Murmansk Nautical School imeni I. I. Mesyatsev, Order of the Medal of Honor

Applications will be accepted between 1 June and 14 August 1983 from individuals with a 10-year school background. For individuals on leave from work, the daytime department offers the following first year programs:

Navigation Department--trains navigation engineers (long-distance navigation officers). The training period is 3 years, 4 months. Up to 60 percent of the planned number of students admitted to the navigation department may be individuals who have completed general education schools or secondary vocational-technical schools with grades of "4" and "5" and are not required to take the entrance examinations.

Ship Mechanics Department--trains mechanical engineers specializing in diesel engines. The training period is 3 years, 3 months.

Both the above departments accept applicants for experimental groups to train navigation engineers and mechanical engineers. The training period is 2 years, 6 months. Individuals are accepted who have completed secondary vocational-technical schools and nautical schools in related professions (sailor, engine mechanic) and who have worked at least one year. Those who have completed one of the educational institutions indicated with grades of "4" or "5" and have not worked, are admitted in accordance with the rules in force.

The experimental groups train specialists to continue their study at the Murmansk Higher Marine Engineering School imeni Leninist Komsomol.

Fishing Industry Department--trains mechanical engineers in the operation of industrial machinery and equipment used in fishing. The training period is 2 years, 9 months. Up to 60 percent of the planned number of students admitted to the department may be individuals who have completed general education schools or secondary vocational-technical schools with grades of "4" or "5" and are not required to take the entrance examinations.

Radio Engineering Department--trains radio engineers and ships' radio operators, second class (radio communications and electronic radio navigation). The training period is 3 years, 3 months.

The school trains key personnel for the fishing industry fleet. Students are provided with dormitory housing, stipends, meals, and uniforms.

The school accepts male applicants up to 30 years of age.

Entrance examinations are given between 1 and 20 August in Russian language and literature (written) and mathematics (oral).

Individuals wishing to enroll in the school should submit applications to the school's director, indicating the area of specialization desired, no later than 14 August 1983.

Inquiries should be sent to the following address: 183785, Murmansk, Ulitsa Shmidta 19; tel. 7-39-23.

#### Sakhalin Nautical School

The school trains key personnel for the commercial fishing fleet in the following areas of specialization:

Maritime navigation--navigation engineer (long-distance navigation officer);

Operation of ships' power plants--marine mechanical engineer (marine mechanical engineer, diesel specialist, second grade);

Ships' radio communications and electronic radio navigation of the maritime and commercial fishing fleets--radio engineer (radio operator, second class);

Operation of ships' electrical equipment--electrical engineer (electrical engineer, second grade).



All departments accept individuals with a 10-year school background; the training period is 3 years.

The school is a secondary marine technical educational institution whose students receive complete state support.

The school accepts only male applicants up to the age of 30, who are physically fit for shipboard work.

Applicants with a secondary school background must take competitive entrance examinations between 1 and 20 August, in Russian language and literature (composition) and mathematics (oral).

Applications are accepted between 1 and 14 August.

Applications should be sent to the school's director; they should indicate the desired area of specialization and should be accompanied by the following documents: the applicant's original school graduation certificate; a medical certificate, form No 286; 4 photographs, 3x4 cm; an excerpt from the applicant's labor book, verified by the director of the enterprise or institution (for individuals who have been working at least 2 years); orders from the enterprise, construction site, kolkhoz or sovkhos (for individuals who have been sent to study by their place of employment); and a reference from the applicant's place of employment or study.

Applicants should bring passports, military identification cards (for reservists), and draft registration (for draft-age individuals) when they come in person to the school.

The following applicants are not required to take entrance examinations:

Individuals who have won gold or silver medals upon completion of secondary school, or who graduated from a secondary vocational-technical school with honors;

Individuals who have received certificates of honor "for special success in the study of specific subjects" upon graduation from secondary school, if there is an entrance examination in the particular subject;

Individuals who have completed secondary school with grades of "4" or "5" (for the navigation department only);

Four days before the end of the application period involving competition based on documents, individuals who have graduated from secondary school with grades of "4" or "5" are accepted for all areas of specialization, except "marine radio communications and electronic radio navigation in the maritime and commercial fishing fleet";

Officers, ensigns, and warrant officers of the USSR Armed Forces and organs of the KGB under the USSR Council of Ministers and the Ministry of Internal Affairs, who have been discharged from active duty and are in the reserves (for

two years after they have been discharged); officers, ensigns, and warrant officers must submit the proper documentation of their status in order to be admitted to the school.

The school offers monthly preparatory courses for which fees are charged.

Classes begin on 1 July. Students are provided with dormitory housing.

Applicants should come to the school for the preparatory courses and entrance examinations only after they have received special notification; such notification is sent after the school has received all the necessary documents.

The school's address is: 694740, Nevelsk, Sakhalin Oblast, Ulitsa Lenina 41.

#### Odessa Nautical School for the Fish Industry

The school offers daytime and correspondence study in the following areas: operation of ships' electrical equipment; maritime navigation; and operation of ships' cooling plants.

The school is a secondary specialized educational institution that trains key personnel specialists for work on vessels in the fleet of the USSR Ministry of Fish Industry.

The daytime department accepts male applicants between the ages of 17 and 30 who have graduated from a 10-year secondary school.

Applications for the daytime department are accepted between 1 June and 14 August; applications for correspondence study are accepted year-round.

Entrance examinations for the daytime department are required in Russian language and literature (composition) and mathematics (oral) and are given between 1 and 20 August; entrance examinations for the correspondence department are given between 1 November and 15 December.

The following documents must be submitted: an application addressed to the school's director; an original graduation certificate; a medical certificate, form No 286 (with comprehensive analyses); an excerpt from the applicant's labor book, verified by the personnel director or director of the enterprise where the applicant is employed (for those who have had practical work experience); 6 photographs, 3x4 cm (taken without headwear); and a reference. Applicants should present passports, registration cards (or military identification cards) in person upon arrival at the school.

Students admitted to the daytime department receive full state support as of 1 September.

The training period is 3 years.

Starting on 1 July the school offers monthly courses to help applicants prepare for the examinations.

Inquiries should be made to: 270028, Odessa-28, Ulitsa Mechnikova 130, Odessa Nautical School for the Fish Industry; Admissions Committee.

#### Petropavlovsk-Kamchatskiy Nautical School

The school trains key personnel for the maritime fleet of the fish industry in the following areas:

Maritime navigation (specialization: navigation engineer; long-distance navigation officer);

Operation of ships' power plants (specialization: mechanical engineer for ships' internal combustion engines);

Ships' radio communications and electronic radio navigation (specialization: radio engineer).

The school accepts male applicants between 15 and 25 years of age.

Applications from individuals with an 8-year education are accepted between 1 June and 31 July; applications from individuals with secondary education are accepted through 14 August.

Entrance examinations are held between 1 and 20 August. For individuals with an 8-year education, examinations are required in Russian language (dictation) and mathematics (oral); the training period is 4 years, 4 months. For individuals who have completed secondary school, entrance examinations are required in Russian language and literature (composition) and mathematics (oral); the training period is 3 years, 4 months.

The following individuals may be admitted without passing the entrance examinations, depending on the number of applications submitted: school graduates who received certificates of honor, gold or silver medals, certificates of honor "for special success in the study of specific subjects" (if entrance examinations are required in these subjects); applicants who completed school with grades of "4" or "5"; and individuals who graduated with honors from secondary vocational-technical schools.

Applications indicating the chosen area of specialization should be sent to the school's director along with the following documents: an autobiographical statement; an original certificate of graduation from school; 3 photographs (without headwear, 3x4 cm); a medical certificate (form No 286) indicating fitness for shipboard work; and a reference or recommendation for admission to a nautical school.

Individuals who have been working for at least 2 years are also required to submit an excerpt from their labor books, verified by the director of their enterprise or institution.

Applications that are missing any of the documents indicated will not be considered.

Individuals who have been accepted to take the entrance examinations will receive special notification; they must come to the school no later than the date indicated on the notification, with passport (or birth certificate) and military identification card (or registration card).

Anyone arriving late will not be allowed to take the examinations.

Students of the nautical school are provided with uniforms, meals, and dormitory housing paid for by the state.

Transportation is paid for after one has been accepted to the school.

The school's address is: 683003, Petropavlovsk-Kamchatskiy, Ulitsa Leningradskaya 43.

#### Tallinn Nautical School for the Fish Industry

The school accepts young men with secondary education for study in the following areas:

Navigation; trade: navigation engineer;

Ship radio communications and electronic radio navigation; trade: radio engineer (radio operator, electronic radio navigator);

Operation of ships' power plants; trade: mechanical engineer;

Technology of fish products; trade: process engineer.

Application materials are accepted between 1 June and 14 August.

Entrance examinations are held between 1 and 20 August.

The school trains specialists for work on vessels engaged in fishing activities abroad.

Students are provided with uniforms, meals, and dormitory housing free of charge.

The same areas of study are available in the correspondence department.

The school's address is: 200001, Tallinn, Ulitsa Luyze 1-A; telephone inquiries can be made by calling 44-21-46; or 44-43-40 for the correspondence department.

#### Tobolsk Nautical School

The school offers the following areas of study for individuals with an 8-year general education school background:

Maritime navigation--trains navigation engineers for the commercial fishing fleet; training period is 4 years;

Operation of ships' power plants--trains marine mechanical engineers in the operation of ships' power plants; training period is 4 years.

For individuals with a secondary school background, the following areas of study are offered:

Maritime navigation--trains navigation engineers for the commercial fishing fleet; training period is 3 years, 4 months;

Operation of ships' power plants--trains marine mechanical engineers in the operation of ships' power plants; training period is 3 years;

Navigation on inland waterways--trains navigation engineers with a license to operate ships' power plants; training period is 3 years;

Industrial fishing--trains mechanical engineers in the harvesting of fish, seafood, and other marine products; training period is 2 years, 6 months.

The school accepts male applicants between the ages of 15 and 30, with 8, 10, or 11 years of secondary education, who are physically fit to work aboard ship.

Applications are accepted from individuals with an 8-year education between 1 June and 31 July; and from those with a 10-year education, up to 14 August.

Entrance examinations are required of applicants with an 8-year school background in Russian language (dictation) and mathematics (oral); applicants with a secondary school background must take entrance examinations in Russian language and literature (composition) and mathematics (oral).

Students are enrolled between 21 and 24 August.

Entrance examinations are not required of individuals who have completed a general education school with grades of "4" or "5" and are applying for study in the maritime navigation, navigation on inland waterways, and commercial fishing specializations.

Applications indicating the chosen area of specialization should be sent to the school's director along with the following documents: an original certificate indicating the applicant's education; a medical certificate (form No 286); a psychiatric certificate; photographs, 3x4 cm; an excerpt from the applicant's labor book; and a personal reference or recommendation.

Students enrolling should present in person a birth certificate or passport, military identification card or registration card.

The school's address is: 626108, Tobolsk, Tyumen Oblast, Ulitsa Klary Tsetkin 72-a; tel. 42-65; 40-98.



#### Rostov Nautical School for the Fish Industry

The school has departments for the following areas of specialization:

Maritime navigation--trains navigation officers for long-distance navigation; students have a 10-year education background; training period is 3 years;

Commercial fishing--trains commercial fishing mechanical engineers for shipboard work; students have an 8-year education background; training period is 3 years, 6 months.

Entrance examinations are given between 1 and 20 August.

Students who have graduated from 8-year or 10-year schools with grades of only "4" and "5" are not required to take entrance examinations; they are accepted on the basis of the best academic record.

Applications are accepted from individuals with an 8-year school background between 1 June and 31 July; and from individuals with a 10-year school background, between 1 June and 14 August.

For more details concerning the application process, write to this address: 3/4007, Rostov-on-Don, Ulitsa Oborony 49, Admissions Committee.

#### Kherson Nautical School

The school offers correspondence study in the following areas for individuals on leave from work:

Maritime navigation--trains navigation engineers (long-distance navigation officers);

Operation of ships' power plants--trains marine mechanical engineers (diesel engine specialists).

Applicants with an 8-year general education or with complete secondary education are accepted for these areas of specialization.

The correspondence department accepts individuals who are working in the given area of specialization.

Radio communications and electronic radio navigation in the maritime and fishing fleets--trains radio engineers.

Applicants for this area of specialization must have a general education background (10-11 years) and must be on leave from work.

The training periods are 4 years for individuals with an 8-year school background (5 years in the correspondence department); and 3 years for individuals with a secondary school background (4 years in the correspondence department).

Students are supported completely by the state.

Inquiries concerning the application process should be directed to: 325025, Kherson, Ulitsa Lenina 55, Nautical School, Admissions Committee.

#### Yeysk Nautical Tekhnikum for the Fishing Industry

The school offers daytime and correspondence study in the following areas for individuals with 8-year and 10-year education backgrounds:

Equipment for fishing industry enterprises and vessels;  
Radio communications and electronic radio navigation in the maritime and fishing fleets;  
Technology of fish products.

The tekhnikum trains mechanical engineers, radio engineers, and process engineers for work aboard ships engaged in in ocean fishing.

Application materials are accepted between 1 June and 31 July; secondary school graduates may submit applications up through 14 August.

Individuals who have received certificates of honor upon completion of general education schools, and those who graduated with honors from secondary vocational-technical schools are not required to take the entrance examinations.

Young men who received grades of "4" and "5" upon completion of complete secondary school or secondary vocational-technical school do not need to take the entrance examinations if they are applying to study in the "technology of fish products" specialization.

Students from out of town are provided with dormitory housing.

The correspondence department accepts applications between 3 May and 10 August; fleet personnel may submit applications year-round.

The application process is the same as that for all tekhnikums.

Inquiries should be directed to the following address: 353663, Yeysk, Ulitsa Kommunisticheskaya 63; tel. 5-33-32.

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USSR Ministry of Fish Industry

Secondary Educational Institutions

Arkhangelsk Nautical School

The school offers daytime and correspondence study in the following areas:

Maritime navigation (specialization: commercial navigation)--trains navigation engineers, long-distance navigation officers;

Operation of ships' power plants--trains diesel mechanical engineers;

Commercial fishing--trains mechanical engineers in catching fish and seafood;

Technology of fish products--trains process engineers for fish processing;

Operation of ships' electrical equipment--trains electrical engineers.

All areas of specialization accept individuals who have an 8-year education, as well as servicemen released from active duty in the Soviet Army, and individuals with a 10-year education. Applicants must take entrance examinations in mathematics (oral) and Russian language and literature (dictation or composition).

Individuals who have graduated from an 8-year school with grades of "4" and "5" are admitted without entrance examinations to the "commercial fishing", "maritime navigation", and "technology of fish products" departments.

Applicants who have graduated from school with honors are admitted without entrance examinations.

The daytime department accepts individuals outside the normal competition if they receive positive scores on the entrance examinations and have worked at least 2 years, have been released from active duty in the Soviet Army or Navy, or have been in charge of an enterprise.

The daytime department accepts male applicants between 15 and 30 years of age (they must be 15 by 1 June 1983).

The correspondence department accepts primarily individuals who have been working in professions related to the area of specialization they wish to study, and have either an 8-year or 10-year education.

The training period for the daytime department is 3.5-4 years (with an 8-year school background); and for the correspondence department it is 4-5 years.

The daytime department accepts applications between 1 June and 31 July. The correspondence department accepts applications between 3 May and 10 August; fleet personnel may submit applications year-round.

Entrance examinations are given between 1 and 20 August for the daytime department; and between 1 November and 15 December for the correspondence department. Fleet personnel may take the examinations between the 10th and 20th of each month.

The beginning of the academic year for the daytime department is 1 September; for the correspondence department it is 2 January.

The following documents must accompany the application: an autobiographical statement; an original certificate of graduation; 4 photographs, 3x4 cm (taken without headwear); a health certificate (form No 286); a psychiatric certificate; an excerpt from the applicant's labor book, verified by the enterprise's director; and a reference from the applicant's place of work or study.

A birth certificate or passport must be presented in person.

All students enrolled at the school receive free meals, dormitory housing, and uniforms, in addition to a monthly stipend of 9 rubles.

Applicants should come to the school only after being notified to do so.

Applications and inquiries should be directed to: 163030, Arkhangelsk-30, Prospekt Leningradskiy 322; tel. 1-07-42 or 1-07-68.

We invite you to apply to the Arkhangelsk Nautical School.

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**7 OCT. 1983**